

AIT Annual Report | 2004



1959 **45** 2004

*Years of Academic Excellence
and Service to the Region*



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MESSAGE FROM THE CHAIRMAN OF THE BOARD OF TRUSTEES



I share with the entire Board of Trustees, the pride and sense of accomplishment that comes from the conclusion of another successful year at the Asian Institute of Technology. The year 2004 had many highlights for the Institute; foremost is the commemoration of AIT's 45th Anniversary. Cognizant of the past year's challenges and accomplishments, a year considered to be another milestone in the history of this unique academic institution, I wish to credit AIT for its proven capacity to meet new challenges and to evolve in line with the rapidly changing technological landscape.

In the 45 years since its inception, AIT has grown into a leading regional postgraduate institution it is today. The Institute has experienced impressive growth and achieved a proud record of service to much of Asia over the past four decades and has remained a credible institution relevant to the needs of the region. Education serves as the key for social and economic development for any society or country; education is a means for the sustainable development of the entire region. While taking a proactive stance in technology development, we should never forget to pay attention to developing people into socially responsible citizens with the same intensity we give to developing new technologies. This moral component of education is one of the foundations of mankind and a most valuable asset of traditional methods of education that we must preserve as we expand our horizons to meet the challenges of today's changing world.

What is unique about AIT is that it symbolizes not only international cooperation, but partnership. I find that, whether donors or recipients, there is a genuine belief and conviction in partnership which serves as proof of the vitality of AIT and of the importance of its role in the region. The international nature of AIT is something unique, of which we can all be proud. The institute to me is a nursery for future leaders of our countries, towards working harmoniously and cooperatively with leaders of other nations. I believe that this interaction of the young students will do well for the future peace, cooperation, understanding and harmony in the region and in the world.

As AIT embarks towards its half century of service to the region, many challenges lie ahead, and in every challenge comes an opportunity. As Chairman of the Board of Trustees of the Asian Institute of Technology, I would like to thank the members of the Board, faculty, staff, students, alumni, partners and friends for their valuable contributions over the course of the year and whose dedication and continued support keeps the Institute dynamic and ready to take on the challenges ahead.

Anand Panyarachun
Chairman of the Board of Trustees
Asian Institute of Technology

M MESSAGE FROM THE ACTING PRESIDENT & PROVOST



The year 2004 has been a historic year in the life of this great institution, highlighted by AIT's Forty-Fifth Anniversary celebration. Anniversaries aptly behooves one to look back to the memories that shaped this Institute into what it is today – the accomplishments and service of this unique academic institution to much of the Asian region. After forty-five years of academic excellence and service to the region, AIT continues to grow as a vibrant, multicultural, multinational center of excellence that is forward-looking and visionary. Dynamic institutions takes on challenges and grows along with the rapidly changing world. AIT, in its continuous pursuit for academic excellence while maintaining its relevance has embarked on initiatives, such as the academic

restructuring, to better position itself as an academic hub between the region and some of the most advanced institutions worldwide. With a distinct mission that has been continuously realized despite changing focuses over the four decades, AIT has done well in the required path of change, which has time and again allowed it the privilege to celebrate the powerful partnerships that have strengthened AIT for nearly half a century. To these partners we convey our profound gratitude and appreciation. With these achievements and initiatives, AIT is poised to create the Institute of the future – built on great tradition of academic excellence, but stepping beyond to realize still more distinctive opportunities in areas of research and higher education.

The AIT, with the advantages of being an established and prestigious provider of graduate education, in addition to its extensive research and training programs for both the public and the private sector, has indeed served well in addressing the region's most vital resource for sustainable development; namely the human resource. The AIT as a resource and conduit of knowledge and technology, must actively and constantly respond to both positive and negative changes taking place in the region and the world by continuously producing a cadre of well-prepared and adaptive human resource. In this global society where knowledge is the most important currency, it is our mandate to ensure that AIT graduates leave the portals of this Institute prepared not only to succeed but more importantly to lead in the sustainable development of the region. Knowledge and research are helping advance real solutions to world problems, nevertheless just as important, I believe is that, in the short stay at AIT, in classrooms as well as in the community, AIT students are gaining a new understanding of humanity, global interdependence and their own capacity to make a difference. I perceive that the world will be better for it.

The Institute's future will never be easy, nonetheless taken from AIT's proven resilience, it will be a future characterized by continuous progress and successful service. As Acting President and Provost, I wish to express my deep appreciation to the members of the Board of Trustees, faculty, staff, students, alumni, partners, friends for their significant contributions and valuable support.

Mario T. Tabucanon
Acting President
Provost
Asian Institute of Technology

AIT Celebrates a Remarkable History and Great Optimism for the Future



“An anniversary serves as an occasion for nostalgia and memories and the accomplishments of this unique academic institution over the past 45 years are something we can all cite with pride. These eloquent words belong to H.E. Anand Panyarachun, Chairman of the Board of Trustees since he has guided the evolution of the Institute in recent years.

Today AIT is a synthesis of relevance and quality. It is a hub of traditional academic excellence and forward-looking education.

AIT was founded to carry out the mission of supporting human resources for development purposes in countries of the region, thus enhancing their potential to move forward.

An evolution has taken place in the region over the Institute's 45 years of existence. Some developing countries which had great need of human resource development, perhaps have less need now. However, this does not mean that they are less interested in Asia or in the development process as a whole. The new format will symbolize not only international cooperation, but partnership.

AIT has positioned itself as an academic hub through which the region is linked to some of the most advanced institutions worldwide. Networking undertaken in the past five years has, for example, led to the establishment of joint research centers with the University of Tokyo, joint projects with the United Nations University

(UNU) and participation in such academic alliances, as the Alliance for Global Sustainability (AGS), comprising Chalmers University, ETH Zurich, MIT and the University of Tokyo.

On a regional basis, AIT initiated, with financial support from the Asian Development Bank, and other agencies such as ASEAN Foundation, UNESCO-Jakarta and UN-ESCAP, the Greater Mekong Sub-region Academic and Research Network (GMSARN), comprising major universities in Cambodia, Laos, Myanmar, Thailand, Vietnam and Yunnan Province of China. AIT has also been actively involved in assisting the development of higher education of the less-advantaged





ADB President Tadao Chino (right) visits and inspires ADB Scholars at AIT.

countries in the region through training of faculty.

The Institute's alumni are an important part of the AIT family, and a valuable influence and resource for the Institute. Since the first graduation of eight students in 1961, AIT has produced as of December 2004, 13,268 alumni, most of whom occupy senior positions in government, industry and academic circles. AIT takes much satisfaction from the fact that more than 90 percent of its graduates are living and working in Asia. The Institute is proud that one third of the student body are women, a notable achievement for a graduate institution of its kind.

AIT recognizes the need to open new avenues for expansion all the time the Institute sees its role as a hub for quality higher education, technical training and research as being more important to the region than ever.



AIT Vietnam and Partners: Reaching Out to Wider Horizons and Better Education for All

The AIT Vietnam (AITVN) Director, Professor Nguyen Cong Thanh, reports that in 2004, "AIT Vietnam was showered with lots of happy events and noteworthy accomplishments." However, four of these were especially noteworthy and auspicious for they speak to deeper relations with a broader spectrum of partners and an enhanced sphere for influence for AIT Vietnam in coming years.

First, the conferment of the Degree of Doctor of Technology (honoris causa) by AIT on H.E. Prof. Nguyen Minh Hien, the Vietnamese Minister of Education and Training (MOET), and second, bestowal of medals "For the Cause of Education" by the Vietnamese Government upon two AIT professors are testimony to closer educational cooperation between AITVN/AIT and MOET. The medals were bestowed on Prof. Mario T. Tabucanon and Dr. Willi Zimmermann.

Next, the Second International Symposium on Southeast Asian Water Environment, jointly organized by AIT Vietnam and the University of Tokyo, attracted over 200 participants from 22 countries. This event bodes well for future academic cooperation and links between AIT Vietnam and international, regional and national universities and centers. In a time of higher education reform, this timely symposium was greatly appreciated by Vietnam's professors, researchers and graduate students.

In light of a heightened profile, Thanh related that AIT Vietnam was inspired to reach out to wider horizons. A fourth major accomplishment was the establishment of an AIT Vietnam branch in Can Tho City, thus spreading activities to the Mekong Delta region, which is home to 20 million people. This is, indeed, for AITVN a challenging but rewarding experience.

The year 2004 saw these accomplishments coupled with 70 short-term training programs and the regular academic programs (the two-phase master programs in Industrial Systems Engineering and Information Technology, the Diploma of Continuing Education in Development Studies, and the Executive MBA). Moreover, AIT Vietnam took in its first batch of students for a two-phase master program in Environmental Technology and Management (ETM).

Recapping the year, "AIT Vietnam appreciates the steadfast support of many donors, partners, supporters and most importantly MOET for the last twelve years. Such strong alliances will stand AITVN in good stead and we look forward to working even more closely with our partners as AITVN drives its mission toward better education for all. AITVN continues to be instrumental in attracting a good number of scholarships for Vietnamese students to study at AIT." concluded Thanh.

GMSARN



Prof. Mario T. Tabucanon Appointed as Acting President

Prof. Mario T. Tabucanon, Provost, was appointed AIT Acting President succeeding Prof. Jean-Louis Armand who retired at the end of December 2004. Prof. Tabucanon will serve as Acting President from 01 January - 30 June 2005.

Prof. Tabucanon, who has also served as Provost since July 1999, has been a member of AIT faculty since July 1978 and held the positions of Vice President (Academic) from September 1998 to June 1999, Dean of the School of Advanced Technologies from September 1995 to June 1999,



and Chairman of the then Division of Industrial Engineering and Management from August 1986 to August 1989. Prior to joining the faculty of AIT, he served as Supervising Consultant in the then Department of Industry of the Philippines, and served as a faculty member of the University of the Philippines at Diliman (Graduate Division, College of Engineering), Southwestern University and then Colegio de San Jose Recoletos both in Cebu City, Philippines. Prof. Tabucanon obtained his education from the Cebu Institute of Technology (B.S.E.E. and B.S.M.E.) and the Asian Institute of Technology (M.Eng. and D.Eng.).

AIT Marks One Year Anniversary of Queen Sirikit Arboretum Garden

On the occasion of Her Majesty Queen Sirikit's sixth cycle birth anniversary, officials from the Ministry of Natural Resources and Environment (MNRE) of the Royal Thai



Government and Ambassadors to Thailand and their spouses joined the AIT community in a tree planting ceremony at AIT campus on 6 August 2004. The event marked the first anniversary of the Queen Sirikit Arboretum Garden, and was presided over by Dr. Monthip Sriratana Tabucanon, MNRE Inspector-General, representing H.E. Mr. Suwit Khunkitti, the Minister of Natural Resources and Environment. Thanpuying Dr. Suthawan Sathirathai, wife of the Minister of Foreign Affairs of Thailand, also participated in the event, leading the diplomatic spouses in a tree planting ceremony at the Queen Sirikit Arboretum Garden. The AIT community was led by Prof. Jean-Louis Armand, AIT President and Prof. Mario T. Tabucanon, Provost.

Next AIT President

Professor Said Irandoust was appointed the next President of AIT. Professor Irandoust, a Swedish national, is serving as President of the University College of Boras, Sweden.

Professor Said Irandoust was born in 1960 in Tabriz in the province of Azerbaijan in north-west Iran. He went to Sweden as an exchange student in 1979, and received his M.Sc. in Eng. Degree in chemical engineering from Chalmers University of Technology, in the Swedish city of Goteborg, in 1984, and a Ph.D. from the same university in 1989, his thesis being on monolith reactors. In 1990, he was



appointed Assistant Professor at Chalmers, and four years later was promoted to Associate Professor at the Department of Chemical Reaction Engineering. In 1998, he was promoted to the post of Professor in the School of Chemical Engineering at Chalmers, and since January 1999, has held a professorial chair of Chemical Engineering at the same university.

Conferment of the honorary doctorate of AIT upon His Excellency Professor Nguyen Minh Hien, Minister of Education and Training of Vietnam and Bestowal of the Award for the Cause of Education to Prof. Mario T. Tabucanon and Dr. Willi Zimmermann

On the occasion of the 18th Meeting of AIT Center in Vietnam (AITCV) Council of Advisors which took place on 24 September 2004, the Ministry of Education and Training of Vietnam and AITCV organized a special ceremony marking two memorable events: Conferment of the honorary doctorate of the Asian Institute of Technology upon His Excellency Professor Nguyen Minh Hien, Minister of Education and Training of Vietnam and Bestowal of the Award for the Cause of Education to Prof. Mario T. Tabucanon and Dr. Willi Zimmermann.

Prof. Hien was recognized for his important role in strengthening the agreement between AIT and the



Government of Vietnam, giving the Institute's branch in Vietnam distinct privileges and greater opportunities. His support has been instrumental to the Institute's growth in and enhancement of institutional collaboration and partnership with universities in Vietnam.

The Award for the Cause of Education was bestowed on Prof. Mario T. Tabucanon, AIT Acting President

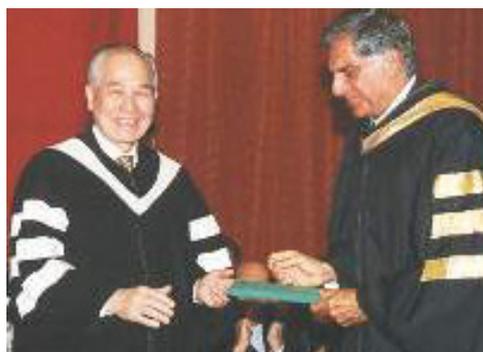


and Provost and Dr. Willi Zimmermann, Associate Professor, SOM is the honorable and most noble medal of the sector of education and training in Vietnam reserved for those who have made numerous significant contributions to the cause of education and training in the Socialist Republic of Vietnam.

This auspicious occasion coincides with the celebration of AIT's 45th anniversary.

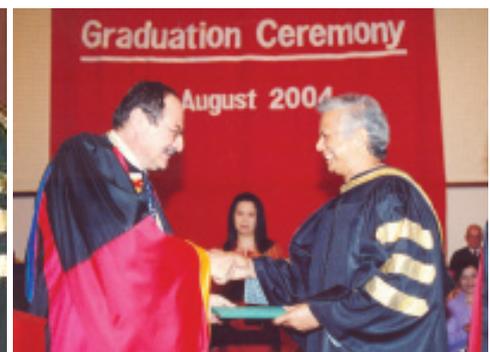
AIT Confers Doctor of Technology (Honoris Causa) to Distinguished Dignitaries

On 23 April 2004, to mark the 100th Graduation Day of AIT, Mr. Ratan N. Tata (left photo, right side), Chairman of Tata Group and a noted industrialist and philanthropist from India was conferred the Doctor of Technology (Honoris Causa), the Institute's highest recognition. The Institute's conferment of honorary degree to Mr. Tata recognizes his outstanding contributions to the industrial development in India and for his contributions to Indian society, through the Tata Group's philanthropic trusts, in the fields of science, technology, medicine, social services, rural welfare and the performing arts, and



to building better relations and understanding between India and the countries in the Asia-Pacific region.

On 6 August 2004, to mark the 101st Graduation Day of AIT, Prof. Muhammad Yunus (right photo), Managing Director and founder of Grameen Bank and originator of the concept of micro-credit in



Bangladesh, was conferred the Doctor of Technology (Honoris Causa). The Institute's conferment of an honorary degree to Prof. Yunus recognizes his outstanding contributions to economic and social development of rural areas in the region, through innovative concepts that couple capitalism with social responsibility.

2004 In Brief

AIT was again privileged to play a part in the Bridges ñ Dialogues Towards a Culture of Peace program hosted through the International Peace Foundation (IPF), a non-political independent foundation based in Vienna under the patronage of 21 Nobel Peace Prize Laureates. This second and final event series was hosted in partnership with various national and international organizations, institutions and enterprises in

Thailand, between December 2004 and April 2005.

In his words of welcome, H.E. Mr. Anand Panyarachun, former Prime Minister and Honorary Chairman of the Thai Advisory Board for the events, noted that the event series promotes peace in all sectors of society by building the awareness and social responsibility of politicians, the business community, scientists, artists and the media.

Says, Mr. Anand: 'At AIT, we reap the benefits of peace and harmony not only within the campus community but also within the working environment. Simply, what we see are people who have come from far and near under the common roof of AIT. The geographic orientation of students, staff and faculty alone depicts its multidisciplinary and multicultural nature. Where else would be better to sound the bells of peace?'

Top row from left: Prof. Claude Cohen-Tannoudji, Prof. Zhores I. Alferov, Dame Anita Roddick and Prof. Robert Huber



Nobel Laureates and Eminent Persons Lecture at AIT

Lower row from left: Mr. Gareth Evans, Prof. Jose Ramos-Horta and Dr. Richard J. Roberts



President Chino and ADB Delegation Visit AIT

On 19 October 2004, a high level delegation from the Asian Development Bank (ADB), led by Mr. Tadao Chino, ADB President, visited



Mr. Tadao Chino (fifth from left), is seen with from left: Dr. Nazrul Islam, Mr. Jaseem Ahmed, Mr. Yasushi Kanzaki, Mr. Rajat Nag, Prof. Jean-Louis Armand, Prof. Mario T. Tabucanon, Prof. Gajendra Singh, Ms. Kanya Worawichawong and Prof. Chongrak Polprasert.

AIT and met with AIT Administration, led by Prof. Jean-Louis Armand, AIT President and Prof. Mario T. Tabucanon, Provost, discussing the collaboration between ADB and AIT, particularly in the GMS Region.

The ADB delegation also met with students studying at AIT under the ADB-JSP (Japan Scholarship Program) scholarships. The program currently sponsors 23 students from 13 Asian countries to study for masters degree at AIT. During the meeting with the students, President Chino expressed his appreciation of the partnership with AIT, and stressed that ADB and AIT share a similar mission in serving the developmental needs of this region. He also emphasized the value of capacity building in the region, and the role that ADB-JSP scholars will play in the future developmental efforts in their respective countries.

SOM Ranked Among the Top Business Schools in the Southeast Asia Region

AIT's School of Management (SOM) was ranked in the top three business schools in Southeast Asia, according to Asia Inc. Magazine's MBA School

survey 2004 published in its September 2004 issue. National University of Singapore Business School and Nanyang Business School of Nanyang Technological University, both located in Singapore, were ranked the first and second best schools in the region for 2004.

Asia Inc. has been doing its MBA schools survey since 1995. The magazine scored participating business schools according to set criteria and then ranked them within regional groupings. The 2004 ranking were based on the following criteria: peer reputation ranking, school and faculty quality, and student quality.



AIT SOM MBA: Governance, corporate social responsibility, ethics, and environmental management are of major concern.

Recognition of AIT by World Bank Institute

According to a World Bank Institute publication, The Annual Report 2004 of the Joint Japan/World Bank Graduate Scholarship Program, AIT and the seven Indian Institute of Technology (IIT) in India, were placed on the same level as universities in industrialized countries, as it mentioned. The Program, offering scholarships for a master's degree in universities such as Columbia University or Harvard University for nations of developing countries, specifically excludes applicants who already hold a graduate degree from an industrialized country and from institutions such as Asian Institute of Technology (AIT) based in Thailand or the Indian Institute of Technology (IIT) in India.

AITCS Playing Field Completed

The construction of the AIT Community School's Playing Field was completed in October 2004. It consists of a soccer field, covered with grass, with the size of 54m x 36m, surrounded by a 200m running track which is only leveled and compacted with red soil, and a combined long-jump and triple-jump pit of 9.00m x 3.5m with a runway.

The fields are meant for exclusive use of the AIT Community School students. The AIT community in general may make use of these facilities on special request and approval from the school authorities.



Academic Activities

A number of inter-Field of Study activities, mainly offered as areas of specialization, have been pursued in earnest in 2004, i.e., Information & Communications Technologies in the School of Advanced Technologies (SAT); Geosystem Exploration & Petroleum Geoenineering and Hydro-power Engineering in the School of Civil Engineering (SCE); and Gas-Fired Power Plant Technology in the School of Environment, Resources and Development (SERD).

The following executive programs in the School of Management (SOM) were expanded: (i) the International Executive Master of Business Administration (IEMBA)-Vietnam program in Hanoi, offering an EMBA degree with dual specialization in the Management of Technology (MOT) and the International Business (IB), was extended to Ho Chi Minh City; and (ii) the IEMBA-HRM was expanded to cover applicants from public and non-public sectors in Southeast Asian countries, with priority given to Laos, Cambodia and Vietnam.

Dual degree masters programs with Petra Christian University, Indonesia, and Korea Institute of Science & Technology were pursued.

The regulations for the doctoral, masters, diploma and certificate programs under the semester system were revised.

Task Force on Academic Restructuring

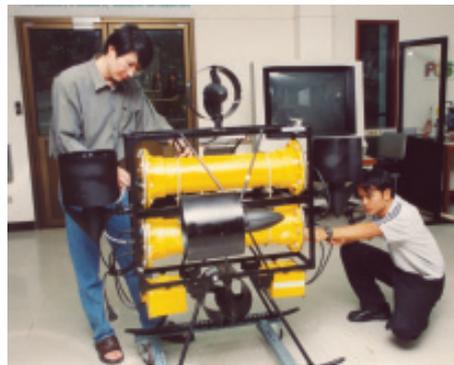
The Board of Trustees at its 11 May 2004 meeting approved the plan of the administration, supported by the Executive Committee, to restructure the four Schools into three focused respectively on technology, development, and management, in consultation with the Academic Senate and with the advice of the Academic Advisory Panel (AAP).

The AAP at its 11 June 2004 meeting recommended that the three Schools be named: School of Engineering and Technology; School of Sustainable Development; and School of Management and Entrepreneurship.

The Academic Senate had formed a Task Force on Aca-

ademic Restructuring comprising sixteen members (four faculty members from each existing school) under the Chairmanship of Prof. Kazi M. Ahmed, with a mandate to provide recommendations on the practical implementation of the academic restructuring into three schools. The Acting President's intention to attend the Task Force meetings on invitation was welcomed. The Report of the Task Force will be presented to the administration through the Academic Senate by the end of May 2005.

The AAP of the Board also met with the Academic Senate and had fruitful discussions on the academic restructuring on 6 August and 8 December 2004.



AIT has experienced impressive growth and achieved a proud record of service to much of Asia over the past four decades and has remained a credible institution relevant to the needs of the region

Flexible Masters Degree Program

The Administration has approved upon the endorsement of the Academic Senate the proposal on Flexible Masters Degree Program in ARM. The flexibility is in terms only of duration of the program which is 3-4 years, while maintaining the AIT academic regulations and standards. The proposal was designed in response to SIDA's request, which allocated eight scholarships in the first year and may increase the number to fifteen if the program is successful. The program would provide opportunities for staff of local research and development institutions in Laos, Cambodia and Vietnam to work and study. This would be a practical way of technology transfer and provide new avenues to make AIT's system more flexible.

AIT-KIST Dual Degree Program

A dual degree agreement was made between AIT and the Korea Institute of Science and Technology (KIST) under which both institutes will offer at least five (5) placements every year for KIST and AIT students. The guidelines have been formulated in accordance with the requirements and regulations of both institutes. Students who have finished coursework in their respective institutes shall go to the other institute to do the research work, and after successful completion will receive a dual degree from KIST and AIT.

Academic Offerings

SCHOOL OF ADVANCED TECHNOLOGIES

Fields of Study:

Computer Science
Design & Manufacturing Engineering
Industrial Engineering & Management
Information Management
Mechatronics
Microelectronics
Remote Sensing & Geographic Information Systems
Telecommunications

Area of Study:

Information & Communications Technologies

SCHOOL OF CIVIL ENGINEERING

Fields of Study:

Construction, Engineering & Infrastructure Management
Geotechnical & Geoenvironmental Engineering
Structural Engineering
Transportation Engineering
Water Engineering & Management

Areas of Specialization:

Geosystem Exploration & Petroleum Geoengineering
Hydropower Engineering

SCHOOL OF ENVIRONMENT, RESOURCES AND DEVELOPMENT

Fields of Study:

Agricultural Systems & Engineering
Aquaculture & Aquatic Resources Management
Energy
Environmental Engineering & Management
Food Engineering & Bioprocess Technology
Gender & Development Studies
Natural Resources Management
Pulp & Paper Technology
Regional & Rural Development Planning
Urban Environmental Management

Areas of Specialization:

Cleaner Production
Gas-Fired Power Plant Technology
Integrated Tropical Coastal Zone Management
Integrated Watershed Development & Management
Modeling Tools in Environmental Resources & Management

SCHOOL OF MANAGEMENT

Fields of Study:

International Business
International Public Management
Management of Technology
Service Marketing & Technology

Application Trends

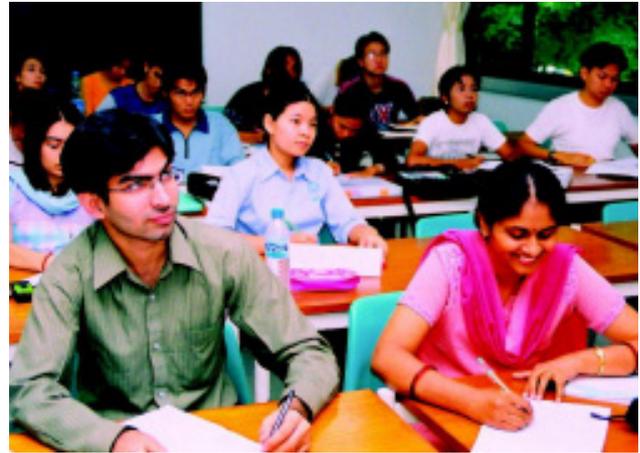
The 2004 total applications of some 4,139 signified a 0.5% drop compared to the previous year, which was expected as a transitional effect of the change from a trimester to a semester system. The August 2004 Semester saw the highest level of applications.

2004 Applications Record

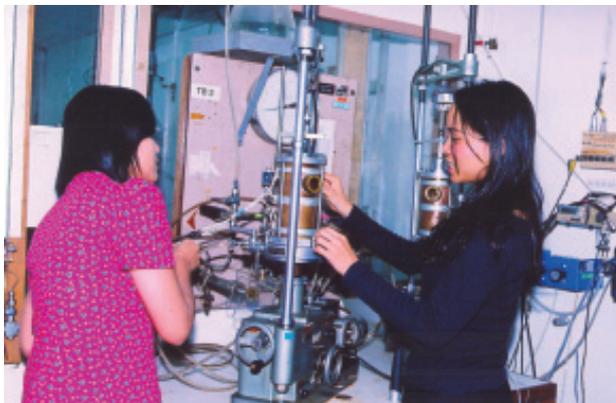
Semester	Applications
January	771
August	3,368
Total	4,139

Enrolment Record

The enrolment trends for degree programs show increases in the number of doctoral, masters and certificate students. In 2004, masters students accounted for almost three-quarters of the annual total degree student enrollment of 1,709 (cf. 1,295 in



2003). The doctoral students, numbering on average 428 in 2004, grew by more than 20% over the previous year and represented 25% of degree program enrollment (The actual proportion was 27% when the Certificate of Advanced Studies (CAS) students were included.).





There were more than 50 nationality groups represented in the student body during the 2004 academic year. All the regional groupings exhibited increasing enrollment trends on the basis of average annual enrollments.

Masters and Doctoral Program Average Enrolment 2004

Program	Semester Total
D.Eng.	181.50
D.Tech.Sc.	125.00
Ph.D.	121.50
Sub-total	428.00
 Cert. of Advanced Studies	 38.00
 M.Eng.	 535.00
M.Sc.	347.50
M.B.A.	395.00
Sub-total	1277.50
Total	1708.50

2004 Average Student Enrolment by School

	Average 2004
SAT	396.00
SCE	293.50
SERD	627.00
SOM	518.50
Total	1835.00

2004 Total Student Enrolment by Origin

Country	Total Jan Term/ Semester	Total Aug Semester/ Sep Term
Azerbaijan	1	
Bangladesh	81	107
Belgium	1	1
Bhutan	17	20
Bulgaria	1	2
Cambodia	43	54
Canada	1	2
China	53	68
Denmark	3	3
Egypt	1	1
Ethiopia	8	6
Finland	1	5
France	49	58
Germany	5	13
Hong Kong	1	1
India	99	117
Indonesia	36	47
Iran	4	4
Israel		1
Italy	1	3
Japan	7	9
Korea	8	10
Kyrgyzstan	2	1
Laos	26	47
Luxemburg		1
Malawi	1	1
Malaysia	7	7
Maldives	2	
Morocco	1	2
Mexico		3
Monaco	1	1
Mongolia	6	5
Myanmar	57	83
Nepal	66	83
Netherlands	1	2
Nigeria		1
Norway	2	2
Pakistan	29	39
Philippines	29	25
Portugal	1	1
Russia	1	1
Singapore	1	1
Spain		2
Sri Lanka	35	38
Sudan		2
Taiwan	2	
Thailand	593	642
U.S.A.	12	10
United Kingdom	1	7
Uzbekistan	2	2
Vietnam	361	463
Others	2	2
Total	1,662	2,767

Students

Average Term Enrolment by School and Field of Study Year 2004	
School/Field of Study	
SAT	
Computer Science	25
Design and Manufacturing Engineering	6
Industrial Engineering and Management	13
Information Management	9
Mechatronics	12
Microelectronics	-
Remote Sensing & Geographic Information Systems	13
Telecommunications	6
SCE	
Construction, Engineering and Infrastructure Management	22
Geotechnical and Geoenvironmental Engineering	12
Structural Engineering	24
Transportation Engineering	10
Water Engineering and Management	28
SERD	
Agricultural Systems and Engineering	21
Aquaculture and Aquatic Resources Management	34
Energy	30
Environmental Engineering and Management	49
Food Engineering and Bioprocess Technology	24
Gender and Development Studies	18
Natural Resources Management	20
Pulp and Paper Technology	18
Regional and Rural Development Planning	17
Urban Environmental Management	28
SOM	
International Business	90
Management of Technology	24
EMBA	42
Total Annual Average	596

Average Semester Enrolment by School and Field of Study Year 2004	
School/Field of Study	
SAT	
Computer Science	55
Design and Manufacturing Engineering	17
Information Management	36
Information and Communication Technologies	13
Industrial Engineering and Management	41
Mechatronics	48
Microelectronics	18
Remote Sensing & Geographic Information Systems	36
Telecommunications	53
SCE	
Construction, Engineering and Infrastructure Management	41
Geotechnical and Geoenvironmental Engineering	34
Water Engineering and Management	47
Structural Engineering	41
Transportation Engineering	23
SERD	
Agricultural Systems and Engineering	36
Aquaculture and Aquatic Resources Management	30
Energy	48
Environmental Engineering Management	84
Food Engineering and Bioprocess Technology	34
Gender and Development Studies	35
Natural Resources Management	42
Pulp and Paper Technology	22
Regional and Rural Development Planning	27
Urban Environmental Management	38
SOM	
International Business	187
International Public Management	29
Management of Technology	42
Service Marketing & Technology	15
EMBA	93
Total Annual Average	1257

G R A D U A T E S



Mr. Ratan N Tata (left), Chairman of Tata Group, delivered the graduation address and was conferred the AIT honorary doctorate degree during the 100th Graduation in

April 2004;



and Professor Muhammad Yunus (upper right photo, left) Managing Director of Grameen Bank, Bangladesh, delivered the graduation address and was conferred the AIT honorary doctorate degree during the 101st Graduation in August 2004.



H.E. Mr. Zhang Jiuhuan (above), Ambassador of People's Republic of China to Thailand delivered the commemorative speech on behalf of H.E. Prof Xu Guanhua, Minister of Science & Technology, PRC to 103 graduates from 16 countries in Asia and beyond who were conferred diploma, master and doctoral degrees at the 102nd Graduation Ceremony on 21 December 2004.

Altogether, in 2004, there were 537 graduates, with the biggest numbers coming from SOM and SERD. Those awarded the Master of Engineering and MBA degrees formed the largest groups. Of the regional groupings, alumni from Southeast Asia and the Pacific were predominant.

Graduation by Degree Program 2004

Degree Program	Apr.	Aug.	Dec.
MBA	62	80	57
M.Eng.	92	70	8
M.Sc.	6	93	10
D.Eng.	3	8	12
D. Tech.Sc.	3	5	10
Ph.D.	2	7	4
Dip.AIT	1	2	1
Total	169	265	102

Graduates by Origin

Country	Apr.	Aug.	Dec.
Azerbaijan	-	1	-
Bangladesh	4	17	4
Belgium	1	-	-
Bhutan	4	2	-
Bulgaria	-	-	1
Cambodia	2	22	1
Denmark	1	-	-
Ethiopia	-	2	-
Finland	1	-	-
France	4	13	3
Germany	1	-	-
Hong Kong	-	-	1
India	8	20	3
Indonesia	1	4	8
Japan	1	-	-
Korea	3	-	1
Kyrgyzstan	-	1	-
Laos	2	8	2
Malaysia	3	-	-
Maldives	1	1	-
Monaco	-	-	1
Mongolia	1	1	1
Myanmar	6	7	-
Nepal	6	13	3
Norway	1	-	-
Pakistan	1	3	2
People's Republic of China	7	9	2
Philippines	3	3	-
Portugal	-	1	-
Sri Lanka	3	10	-
Taiwan	1	-	-
Thailand	60	55	35
USA	1	-	-
Vietnam	42	72	35

A LUMNI

The Asian Institute of Technology, with over 45 years of service, is proud to have taken a leading role in the capacity building and human resource needs of the Asia-Pacific region. As of December 2004 graduation, AIT has graduated 13,268 young professionals from 72 and other countries.

In order to maintain and strengthen the existing partnership between the Institute and its alumni and to develop synergies,

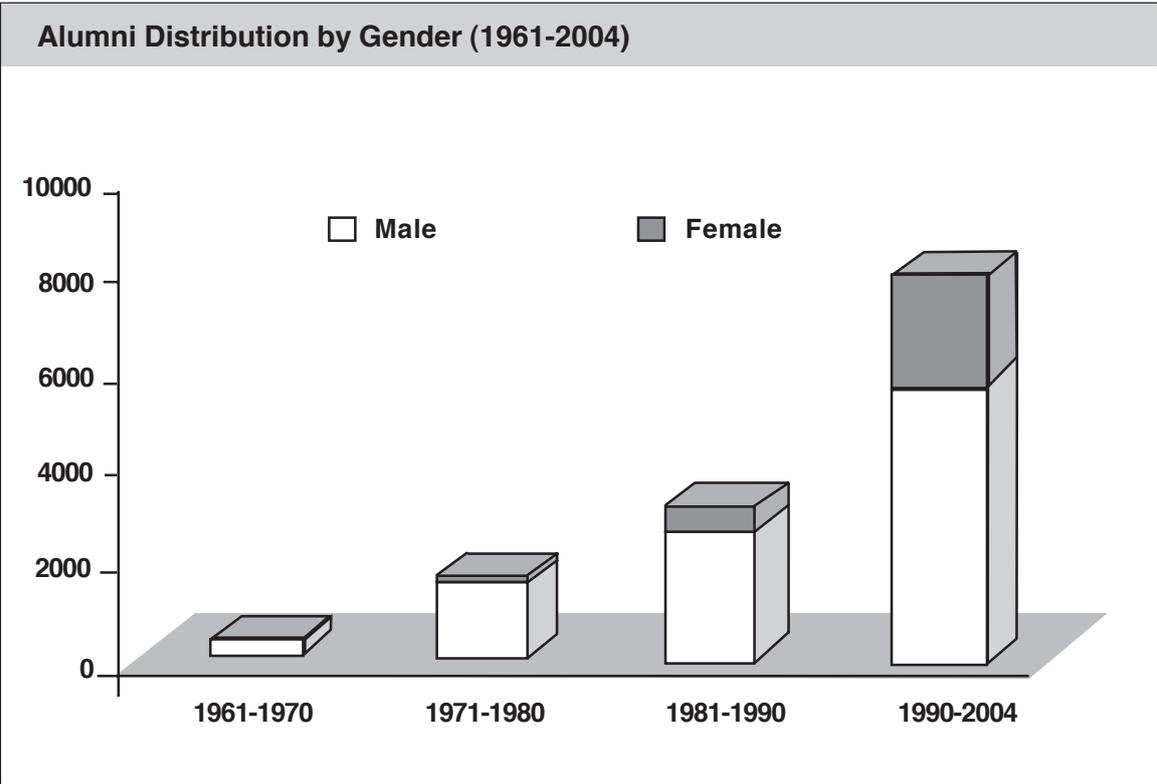
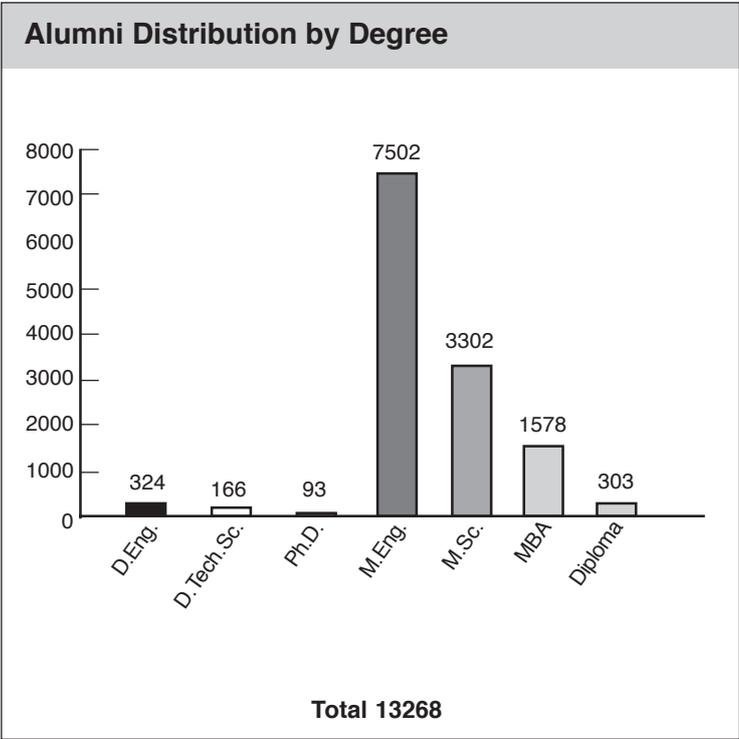
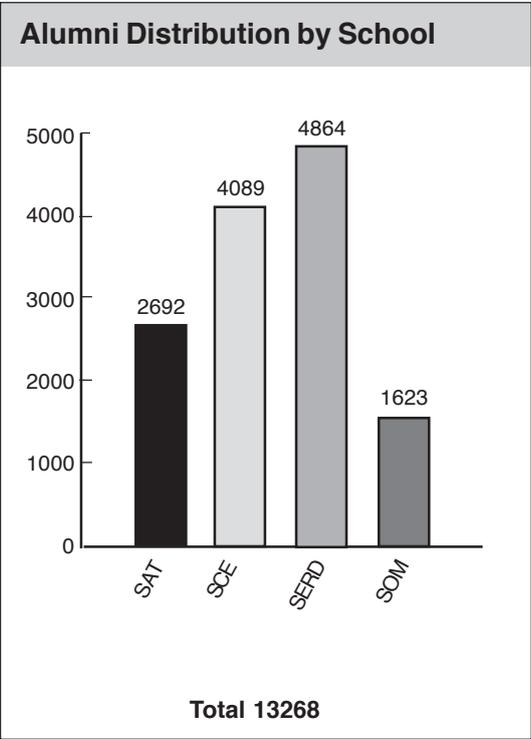
AIT established an Alumni Relations Panel in April 2002. The panel provides a direct link between the Alumni body and the Board of Trustees.

Alumni Relations Office (ARO) of AIT has been reconstituted since April 2002 to encompass a greater scope of activities/responsibilities with a view of proactive efforts to work with the AIT Alumni Association (AITAA) Mother Chapter and its 27 National Chapters and alumni at

large to jointly promote AIT's academic programs as well as launch new initiatives that will contribute to the Institute's long term viability.

The quarterly AIT Alumni Newsletter (electronic version) was launched in June 2002 to keep alumni informed of developments. The Alumni Relations Office also maintains a mailing list alumnibody@ait.ac.th.

Alumni Distribution by Origin							
Southeast Asia and Pacific	South Asia and West Asia	America and Europe †	Africa and Others				
Australia	2	Afghanistan	19	Argentina	1	Egypt	1
Brunei Darussalam	10	Bangladesh	780	Austria	1	Ethiopia	9
† Cambodia	232	Bhutan	38	Belgium	11	Ghana	2
† Fiji	1	India	746	Bolivia	1	Kenya	4
† Hong Kong	88	Maldives	5	Bulgaria	1	Malawi	5
† Indonesia	555	Nepal	762	Canada	9	Morocco	1
† Japan	78	Pakistan	642	Denmark	7	Mozambique	1
† Kiribati	1	Sri Lanka	729	Finland	18	Nigeria	3
† Korea	146	Others	6	France	88	Tanzania	8
† Laos	182	† Sub-total	3727	Germany	21	Zambia	1
† Macao	7	†		Honduras	1	Sub-total	35
Malaysia	295	East Asia and Central Asia		Ireland	3		
Myanmar	356	Azerbaijan	5	Italy	4		†
Papua New Guinea	9	China	593	Luxemburg	1		†
Philippines	842	Iran	19	Netherlands	7		†
Singapore	28	Kazakhstan	14	Norway	1		†
Solomon Island	1	Kyrgyzstan	9	Peru	1		†
Thailand	3481	Mongolia	38	Portugal	2		†
Tonga	1	Taiwan	842	Spain	9		†
Tuvalu	1	Tajikistan	1	Sweden	2		†
Vietnam	1451	Uzbekistan	1	Switzerland	2		†
Sub-total	7767	Sub-total	1522	Turkey	6		†
	†			UK	4		†
	†			USA	15		†
	†			Venezuela	1		†
	†			Sub-total	217		
						Total	13268



FACULTY

Faculty Activities

The report on academic activities shows the published outputs of faculty and staff, and the varied sponsored and grant research projects, conferences, seminars, workshops, short courses, and related activities undertaken by the Schools. Overall, there has been a marked increase in all categories of activities.

2004 REPORT ON ACADEMIC ACTIVITIES					
Activities	SAT	SCE	SERD	SOM	2004 TOTAL
A. PUBLICATIONS					
Journal Papers	52	51	75	13	19
Conference Papers/Proceedings	131	100	145	17	393
Research Reports	4	-	21	6	31
Books/Chapters in Books	5	11	19	4	39
Others*	28	36	23	36	123
TOTAL	220	198	283	76	777
B. SPONSORED AND GRANT RESEARCH					
Completed Projects	-	14	1	7	22
Ongoing Projects	27	22	93	3	145
TOTAL	27	36	94	10	167
C. CONTINUING EDUCATION					
Conferences	19	16	20	-	55
Workshops	11	9	-	1	21
Seminars	21	9	-	7	37
Short Courses	23	23	13	1	60
Special Lectures	35	9	6	-	50
Others*	14	3	4	2	23
TOTAL	123	69	43	11	246

* Monographs, Working Papers, Consultancy Reports, Reviews, Academic Unit Research Reports, Occasional Papers, Newsletters, Reference Materials, Handbooks, Lecture Notes, Serial Publications, Databases, Technical Notes, etc.

Faculty Strength

Faculty strength, in terms of faculty headcount, taken as an annual average, has increased by 1.8% over the 2003 level. Short-term faculty members, normally teaching (or co-teaching) a course during a semester, accounted for the increase.



Institute-wide Faculty Headcount (2004)	
	2004 Average
Long-term Faculty	113
* Direct-hire	95
* Seconded	18
Short-term Faculty	53
* Visiting Faculty	17
* Adjunct Faculty	36
Total	166



2004 Student-to-Faculty Ratio

Based on student and faculty headcounts, the 2004 average student-to-faculty ratio was computed at 16. Across units, however, SOM is undoubtedly experiencing relatively higher loads of degree-level teaching and student supervision.

Trends of Student-to-Faculty Ratio (2004)	
	2004 Ave
Student:Faculty Ratio	
* SAT	14.65
* SCE	14.00
*SERD	13.03
* SOM	30.84
Average	16.24

Philippines ëBalik Scientistí 2004 Awardee



Prof. Dennes T. Bergado (*left*), of the School of Civil Engineering Geotechnical Engineering Field of Study was named as a ëBalik Scientistí Program Awardee in 2004. Coined from a Tagalog word that means to come back and the English word scientist í

a ëBalik Scientistí is a government initiated program wherein Filipino science and technology experts residing abroad are encouraged to return or reside in the Philippines to share their expertise to accelerate the scientific, agro-industrial and economic development of the country.

Presented by the Philippineís Department of Science and Technology, the award recognizes efforts made by Filipino experts to share their expertise to students, researchers and fellow engineers in the field of geotechnical engineering especially in soil engineering and geosynthetics. Prof. Bergado, an AIT alumnus (GTE-76), obtained his Ph.D. in 1982 from the Utah State University, USA under a Fulbright scholarship and his BS in Civil Engineering from the Mindanao State University Philippines in 1974.

JSHWR honors Prof. Gupta with an international award



President of the Japan Society of Hydrology and Water Resources, Prof. Tetsuya Kusuda (left), conferring the award to Prof. Ashim Das Gupta

The Japan Society of Hydrology and Water Resources (JSHWR) in August 2004 recognized Prof. Ashim Das Gupta, a senior faculty member in Water Engineering and Management at the School of Civil Engineering, with an ëInternational Award.í

The award acknowledges his significant contributions in the fields of hydrology and water resources and his valuable participation in the exchange of information at the international level within the society.

Prof. Gupta, an AIT alumnus (WRE-73&76), obtained his D.Eng. in Water Resources Development and M. Eng. in Applied Hydraulics from AIT in 1976 and 1973, respectively. He acquired his B.Eng Civil Engineering from Assam Engineering College, Gauhati, India in 1967.

Faculty



Professor Edwards



Professor Ajit



Professor Kanchana



Professor Rakshit



Professor Kumar



Professor Routray



Professor Thapa



Professor Ahmed



Professor Batanov

Promotions to Full Professor and Emeritus Professor

In 2004, eight faculty members were promoted to the rank of full professor and one to emeritus professor. Promoted were as follows:

Professor Peter Edwards was appointed **Emeritus Professor** on 19 April 2004, in recognition of his continuous distinguished service as an AIT full professor before his retirement, as well as his outstanding international professional status and significant academic contributions to the Institute through teaching, publications and professional work.

Professor Ajit Annachatre of Environmental Engineering & Management Field of Study, SERD, has been associated with the Institute since 1995. His major areas of specialization are environmental engineering, water quality management, wastewater treatment and management, environmental biotechnology, environmental impact assessment, and environmental management and ethics.

Professor Kanchana Kanchanasut of Computer Science Field of Study, SAT, has been associated with the Institute since 1984. Her current research interests are in information and communication technologies for rural access, distance education

technologies and infrastructures, networking and distributed computing, algorithms, and programming languages. She is the Director of the Distributed Education Center (DEC) and of the Internet Education and Research Laboratory (intERLab).

Professor Sudip Kumar Rakshit of Food Engineering & Bioprocess Technology Field of Study, SERD, has been associated with the Institute since 1993. His major areas of specialization are biochemical engineering/bioprocessing, bioreactor design and analysis, food biotechnology, and lipid biotechnology.

Professor Sivanappan Kumar of Energy Field of Study, SERD, has been associated with the Institute since 1995. His major areas of specialization are cleaner production, rational use of energy, solar energy, and energy & environment.

Professor Jayant Kumar Routray, Regional & Rural Development Planning Field of Study, SERD, has been associated with the Institute since 1988. His major areas of specialization are community forestry, district planning

methods and techniques, geographic information systems, rural transport development, rural-regional development, and social impact assessment.

Professor Gopal B. Thapa, Regional & Rural Development Planning Field of Study, SERD, has been in the faculty of the Institute since 1994. His major areas of specialization are watershed development and management, natural resources management, and agricultural development.

Professor Kazi Mohiuddin Ahmed of Telecommunications Field of Study, SAT, has been associated with the Institute since September 1994. His major areas of specialization are radio propagation, satellite communication, and signal processing.

Professor Dencho N. Batanov, Computer Science and Information Management Fields of Study, SAT, has been associated with the Institute since January 1992. His major areas of specialization are knowledge-based expert systems, object orientation, and software engineering.

Major Sponsored and Contracted Projects Initiated in 2004

ITED School Inventory Using GIS (JICA/ITED)	SAT	JICA/ Thailand
Six-Sigma Training Program	SAT	Thailand Productivity Institute
Development of a Medical Tele-Analyzer by Force-Displacement-Hybrid Tactile Sensor and Actuator for Abdominal Mass Analysis	SAT	National Electronics and Computer Technology Center
MEMS Microactuator Research	SAT	Seagate Technology
Digital Asia 04-05	SAT	RESTEC/JAXA
WSSD Training and Monitoring	SAT	RESTEC/JAXA
IGES-URC Regional Workshop	SERD	Institute for Global Environment Strategies (IGES), Japan
RETSCREEN International Training Seminar	SERD	CANMET Energy Technology Center-Varenes, Canada
Research on Innovative and Strategic (IGES), Policy Options (RISPO) ñ Phase II	SERD	Institute for Global Environment Strategies, Japan
Partial Feasibility Study for Ratchatewa Landfill Site Gas to Energy Project	SERD	Government of Japan
SF6 and PFC Study for Thailand and Singapore: Identification of CDM Potential Project	SERD	Mitsubishi Securities Co., Ltd.
Renewable Energy Technologies Theme Project (RETs Theme/GNESD)	SERD	Global Network on Energy for Sustainable Development (GNESD), Denmark
Energy Access II Theme Project (Energy Access II/GNESD)	SERD	Global Network on Energy for Sustainable Development, Denmark
Capacity Building Programme: Removal of Barriers Regarding CDM in Thailand	SERD	Electric Power Development Co., Ltd., Japan

Research

Completed and on-going sponsored and contracted projects

School of Advanced Technologies (SAT)

■ Completed

A Multimedia Tool for Natural Resources Management and Environment Education (GAIA)
Sponsor: European Commission

MTEC Medical Technology and Student Research
Sponsor: National Metal and Materials Technology Center (MTEC), Thailand

Landman Software
Sponsor: International Board for Soil Research and Management (IBSRAM), Thailand

Development of a Medical Tele-Analyzer by Force-Displacement-Hybrid Tactile Sensor and Actuator for Abdominal Mass Analysis
Sponsor: National Science and Technology Development Agency (NSTDA), Thailand

Local Governance and Urban Transport Environment Asia Developing Countries Phase 2 (IATSS)
Sponsor: International Association of Traffic and Safety Science (IATSS), Univ. of Tokyo, Univ. of Kagawa, Japan

Network Based Joint Venture on Software Production (ASIA-ITC 11/14)
Sponsor: European Commission

Road Management Research
Sponsor: Japan Bank of International Cooperation

3D Digital City Modeling : Some Case Studies for Protection of World Cultural Heritages in Thailand
Sponsor: Royal Thai Government (RTG)

A Logic-Based Approach to Internet & Multi-Agent Security
Sponsor: Royal Thai Government (RTG)

Global Irrigation Mapping (GIM)
Sponsor: International Water Management Institute
†
Remote Sensing and GIS Applications in Forestry
Sponsor: Forest Management Center Support Unit

Technological Ability Development Project
Sponsor: National Science and Technology Development Agency (NSTDA), Thailand

Six-Sigma Training Program
Sponsor: Thailand Productivities Institute

Development of Engineering Software System on High Performance Parallel Computers
Sponsor: Royal Thai Government (RTG) Joint-Research Grant

JICA Research: iConstruction of Environmental Observation System for South-East Asia by Using Moderate Resolution Satellite Data
Sponsor: Japan International Cooperation Agency (JICA), Bangkok

Flood Control Decision Support
Sponsor: European Commission

Belgian Medical Technology Student
Sponsor: Flemish Inter-University Council (VLIR), Belgium

Global Irrigation Mapping
Sponsor: International Water Management Institute, Battaramulla, Sri Lanka

Telemedicine
Sponsor: Siemens Limited, Thailand

ITED School Inventory Using GIS (JICA/ITED)
Sponsor: JICA/Thailand

Padma River Morphological Project
Sponsor: Japan International Cooperation Agency (JICA), Bangladesh

■ In Progress

Regional Space Activity Promotion Study/Distance Education
Sponsor: NASDA, Japan

Evaluation of the Modernization of Technical Education in Production Technology (EMCO/RIT)
Sponsor: Rajamangala Institute of Technology (RIT)/EMCO Co.

Development of Systematic-Error-Compensate CNC
Sponsor: Mitutoyo Association for Science and Technology

A New Software for 5-Axis Machining Optimization, Simulation, and Verification
Sponsor: NECTEC

Automated Brokering for B2B E-Commerce
Sponsor: Royal Thai Government (RTG), Thailand

IP Broadcasting over Satellite Link
Sponsor: Royal Thai Government (RTG)
†

Development of an Intelligent Underwater Mobile Robot (Underwater robot)
Sponsor: Royal Thai Government (RTG)
†
Destination Management for E-tourism Thailand
Sponsor: Royal Thai Government (RTG)

Evaluate Training Requirements (RESTEC-2003-3)
Sponsor: Remote Sensing Technology Center of Japan (RESTEC)
†

Real-time Spatial Device for Open GIS
Sponsor: Royal Thai Government (RTG)

SUSPER, Sustainable Peri Urban Agriculture
Sponsor: CIRAD, MOFA, France

Zns Nanophosphors for Field Effect Devices and DNA Labelling Applications
Sponsor: MTEC/NSTDA
†
Asian Highway GIS
Sponsor: UN-ESCAP

Remote Sensing Images Analysis Around the Mesopotamia Marsh
Sponsor: Digital Service International (DSI) Co., Ltd.
†

Development of Generic Smart MEMS Based Control System (SMART MEMS)
Sponsor: National Electronic and Computer Technology Center (NECTEC), Thailand

Digital Asia 04-05 (DAN04-05)
Sponsor: RESTEC/JAXA
†††

Development of a Medical Tele-Analyzer by Force-Displacement-Hybrid Tactile Sensor and Actuator for Abdominal Mass Analysis (Phase 2)
Sponsor: NSTDA

MEMS Microactuator Research

Sponsor: Seagate Technology, Thailand

†

Geographic Information System and Nutritional Status of Thai People

Sponsor: Royal Thai Government (RTG)

Web Community and Knowledge-Based Intelligent System for Supporting Customer Relationship Management for Thai SME

Sponsor: Royal Thai Government (RTG)/ Thai SME

Development of an Automatic-Controlled-Flying Robot

Sponsor: Thai Research Fund

†

Near Real Time Agriculture Activity Monitoring using Multi-Temporal MODIS Earth Observation Satellite Data (Agri-MODIS)

Sponsor: Royal Thai Government (RTG)

Computer-Aided Learning Program for Health Professional Students in Diabetes Patient History Taking

Sponsor: Royal Thai Government (RTG)

A Collaborative Intelligent Tutoring System for Medical Problem-Based Learning

Sponsor: Royal Thai Government (RTG)

Algorithm and System Design of Signal Processing on Quantum Cryptography System: Simulations

Sponsor: Royal Thai Government (RTG)

Spatial Analysis of Malaria Risk to the Determination of Epidemiological Surveillance in an Endemic Region of Thailand and the Effectiveness of a New Control Strategy (RTG-Malaria)

Sponsor: Royal Thai Government (RTG)

†

Applying Parallel Computing on Cluster and Grid Systems for Agricultural Monitoring Based on Crop Model and Remote Sensing (RTG-Cluster)

Sponsor: Royal Thai Government (RTG)

WSSD Training and Monitoring (WSSD-2004)

Sponsor: RESTEC/JAXA

International Symposium on Nanotechnology in Environmental Protection and Pollution

Sponsor: AORD (USA) and NSTDA

School of Civil Engineering (SCE)

■ Completed

MTERM Research

Sponsor: Danida

DHI-Short Term Expert/Consultancy for the Year 2000-2001

Sponsor: Danida

DHI-Twinning Activities

Sponsor: Danida

Collaboration with Regional Institute Short-term Experts

Sponsor: Danida

Road Safety Audit Project of the Chalerm Maha Nakhon Expressway

Sponsor: The Expressway and Rapid Transit Authority of Thailand

Seismic Hazard and Risk Assessment of Bangkok

Sponsor: The Institute of Physical and Chemical Research (RIKEN), Japan

Seismic Hazard Assessment and Mitigation of Seismic Risk in Thailand (Phase 1): Sub-Projects 3 and 4

Sponsor: Thailand Research Fund

The Construction of Ground Improvement for East Runway/ Taxiways & Cargo Aprons, Suwannabhumi Airport

Sponsor: GMT Corporation Ltd.

Natural Rubber Composites for Railway Sleepers: A Feasibility Study

Sponsor: RTG Partnership Research Budget for AIT

Real Time Hydrological Information for the People of Thailand

Sponsor: Royal Thai Government (RTG)

Thermal Stabilization of Soft Bangkok Clay

Sponsor: Royal Thai Government (RTG)

Development of System and Software for Tunnel-Induced Building Damage Risk Assessment in Bangkok

Sponsor: Royal Thai Government (RTG)

Annex-7 Workshop on Hydropower Competence Network for Education and Training (HCN)

Sponsor: ICH, Norway and New Energy Foundation, Japan

Workshop on Nano, Continuum, Material, and Computational Mechanics

Sponsor: Participants

Public Health Impact of Urban Flooding in Coastal Mega-Cities

Sponsor: SACWET Project

Review and Investigation of Flood Drainage Around Suwannabhumi Airport

Sponsor: Royal Irrigation Department, Thailand

Computer Aided Workshop on Groundwater Contamination

Sponsor: UNESCO Office, Jakarta, Indonesia

Seminar on Development of Modified Asphalt by Using Reclaimed Rubber from Used Tires

Sponsor: National Metal & Materials Technology Center

Geotechnical Supervision for Foundation Work of Ta Dan Dam, Nakorn Nayok

Sponsor: ASDECON Corporation, Thailand

The Asian Horizon 21- A Trilateral Collaboration between AIT-KKU and CU on Development of Geosystem Exploration Program for Thailand

Sponsor: Royal Thai Government (RTG)

Utilization of Vetiver Grass as Construction Material

Sponsor: Royal Thai Government (RTG)

Rainfall Forecast in Bangkok by Radar

Sponsor: Royal Thai Government (RTG)

Ta Sang Hydropower Development Project

Sponsor: Siam Power and Electric Co., Ltd., Thailand

The Definite Study and Design of the Underground and Aboveground Structures of Khiritham Pumped Storage Project

Sponsor: Electricity Generating Authority of Thailand (EGAT)

Strategic Budgeting System

Sponsor: Chulalongkorn University, Thailand

Development of Rubberized Asphalt from Used Rubber Tire Scrap for Infrastructure Construction

Sponsor: National Metal and Materials Technology Center (MTEC), Thailand

Research

Preliminary Investigation and Mix Design of Roller Compacted Concrete for Yeywa Hydropower Project

Sponsor: Colenco Power Engineering Ltd., Thailand

Study on Integrity and Stability for Renovation of Ancient Structures in Ayutthaya

Sponsor: Stonehenge Design and Consultants Co., Ltd.

Mechanical Properties of Precast Concrete Sleepers & Bearers for SRT

Sponsor: Thai Picon & Industry Co., Ltd.

■ In Progress

Support to Capacity Building at the Water Resources University, Hanoi, Vietnam

Sponsor: Danida, Copenhagen

Geoenvironmental Engineering Curriculum Development for South and Southeast Asian Region

Sponsor: European Commission

Urban Flood Inundation Modeling in Mekong River Basin Using a Physically Based Surface-River Model

Sponsor: Engineering Consultants New JEC Inc., Osaka, Japan

EU-Asia network of Competence Enhancement on Public Private Partnership in Infrastructure Development

Sponsor: European Commission

Development of Operational Flood Forecasting System Case Study: Chao Phraya River Basin

Sponsor: National Electronic and Computer Technology Center, Thailand

Strategic Budgeting System II

Sponsor: Chulalongkorn University, Thailand

Risk Analysis due to Catastrophic Urban Floods in Bangkok using GIS, Remote Sensing and Surface-River Model

Sponsor: UNU, Tokyo, Japan

Chemical Modification of Natural Rubber Composites for Structural Applications

Sponsor: RTG

Development of System for Tunneling-induced Building Damage Risk Assessment Using Analytical Methods

Sponsor: Noweng Co. Ltd., Seoul, Korea

Full-Scale Test of Reinforced Segmental Wall/Embankment Using High Strength Geogrid Reinforcement with Lightweight Rubber Tire Chip-Sand Fill on Soft Ground

Sponsor: RTG

An Assessment of the Socio-economic Impacts of Flood under Climate Change Conditions in Large Coastal Cities in South and South-east Asia

Sponsor: RTG

A Markov Deterioration Model for Truck-Induced Cracking Bridge Decks

Sponsor: RTG

IGES Freshwater Resource Management Project

Sponsor: IGES, Japan

Rainfall Forecast for Eastern Bangkok

Sponsor: Team Consulting Engineering and Management Co., Ltd.

Integrated Management & Safe Disposal of Municipal Solid Waste in Least Developed Asian Countries

Sponsor: European Commission

Flood Forecasting for Lower Chao Phraya River Basin

Sponsor: Panya Consultants Co., Ltd.

AIT's Workshop Series on Modeling Use for our future

Sponsor: Participants

Measurements of Water Quality in the Mun River Basin

Sponsor: Department of Civil Engineering, Tohoku University

Integrated Management & Safe Disposal of Municipal Solid Waste in Least Developed Asian Countries

Sponsor: European Commission

CIB Symposium on Globalization and Construction 2004

Sponsor: Participants

Training Course on Urban Drainage Management and Irrigation & Drainage in Cebu, Philippines

Sponsor: University of San Carlos, Cebu, Philippines

Development of System for Tunneling-induced Building Damage Risk Assessment Using Analytic Methods

Sponsor: NOWENG Co., Ltd

Risk Analysis due to Catastrophic Urban Floods in Bangkok Using GIS, Remote Sensing & Surface-River Model

Sponsor: United Nations University, Tokyo, Japan

Assessment of the Socio-economic Impacts of Floods under Climate Change Conditions in Large Coastal Cities in South and Southeast Asia

Sponsor: Asia Pacific Network for Global Change Research

Chemical Modification of Natural Rubber Composition for Structural Applications

Sponsor: Royal Thai Government (RTG) Joint Research Fund

Soft Bangkok Clay Improvement by Thermal Consolidation with Prefabricated Vertical Drains (PVD)

Sponsor: Royal Thai Government (RTG)

Full-Scale Test of Reinforced Segmental Wall/Embankment Using High Strength Geogrid Reinforcement with Lightweight Rubber Tire Chip-Sand Fill

Sponsor: Royal Thai Government (RTG)

Construction Work Performance under Bovis Lend Lease Health Safety Management System (Master Thesis Research Support)

Sponsor: Bovis Lend Lease (Thailand) Ltd.

Collaborative Research in Water Resources and Environment Modeling

Sponsor: United Nations University, Tokyo, Japan

School of Environment, Resources and Development

■ Completed

Women in Aquaculture in Nepal
Sponsor: WDP-German Committee

Improvement of Production and Post Harvest Practices for Thai Rice Quality
Sponsor: Royal Thai Government (RTG)

Study on Exotic Species in Aquaculture in Southeast Asia
Sponsor: Swedish International Development Cooperation Agency (Sida), Sweden

Fuel Availability Study for Huai Yot Power Project (Trang Province)
Sponsor: Gulf Electric Public Co., Ltd.

Organic Farming: Monitoring of the Quality of Farm Products Produced with Chitosan and other Non-hazardous Bio-materials
Sponsor: Royal Thai Government (RTG)

Information Technology for Rural Development Planning in Thailand
Sponsor: Royal Thai Government (RTG)

Potential Impacts of Air Discharged from the Odour Control System at the Bangkok Municipal Authority's New Waste Water Treatment Facility
Sponsor: The Earth Tech, Thailand

IWDM Research Project
Sponsor: Danish International Development Assistance (DANIDA), Denmark

Ecosystem Succession and Natural Resources Regeneration in Abandoned Shrimp Farming Area in Samut Songkran Province of Thailand
Sponsor: Danish International Development Assistance (DANIDA), Denmark

Thematic Background Paper (TBP) for the Bonn International Conference 2004
Sponsor: Global Network on Energy for Sustainable Development (GNESD), Denmark

Genetic Improvement Strategies for Production in Exotic Carps for Low Input Aquaculture in Asia
Sponsor: Department for International Development (DFID) - University of Wales Swansea

Self-Recruiting Species in Aquaculture- Their Role in Rural Livelihood
Sponsor: Department for International Development (DFID)-University of Stirling

ICLARM- Legal Institutional Frameworks, and Economic Valuation of Resources and Environment in the Mekong River Region- A Wetland Approach
Sponsor: Sida-ICLARM

Program on Quality Control Measurements for the Final Experimental Phase on Mechanical-Biological Waste Treatment at Phitsanulok Landfill Site 12/02-03/03
Sponsor: GTZ Headquarters

JICA Research: Wastewater Treatment and Its Monitoring in Southeast Asian Environment
Sponsor: Japan International Cooperation Agency (JICA), Japan

Genetic Engineering
Sponsor: Monsanto Incorporation

Improvement of the Brake and Clutch System of Siam Kubota Power Tiller
Sponsor: Siam Kubota Industry Co., Thailand

Land-use Dependent Soil-Quality Dynamics
Sponsor: Danish International Development Assistance (DANIDA), Denmark

Extending the Impact of DFID Research and Development in Small-scale In-land Aquaculture and Rice Field Fisheries
Sponsor: Department for International Development (DFID)- Stirling University, United Kingdom

ITCZM Research Project
Sponsor: Danish International Development Assistance (DANIDA), Denmark

Study on the Constraints of Tilapia (*Oreochromis niloticus*) Production in Bangladesh
Sponsor: PDA/CRSP/USAID

Long-term and Short-term Dietary Ascorbic Acid, Alpha-Tocopherol and Zinc Supplementation on Reproductive Performance of Nile Tilapia
Sponsor: ROVITHAI

Comparative Study of Juvenile Fish Assemblages in Several Habitats of Tropical Coasts
Sponsor: Mikimoto Fund for Marine Ecology

Aqua Outreach Program (AOP) in Rural Development through Aquatic Resources Management Phase III
Sponsor: Sida

A/CRSP Database: Finalization, Management and Distribution
Sponsor: PDA/CRSP/USAID

Polyculture of Giant Freshwater Prawn (*Macrobrachium rosenbergii*) and Snakeskin Gourami (*Trichogaster pectoralis*): Stocking Ratios
Sponsor: RTG-AIT Joint Project

New Paradigm in Farming of Freshwater Prawn (*Macrobrachium rosenbergii*) with Closed and Recycle Systems (Part I)
Sponsor: PDA/CRSP/USAID

Integrated Cage-cum-Pond Culture Systems with High-Valued Fish Species in Cages and Low-Valued Species in Open Ponds (On-Station Trial)
Sponsor: PDA/CRSP/USAID

Co-culture of Lotus and Hybrid Catfish to Recycle Wastes from Intensive Feeding
Sponsor: PDA/CRSP/USAID

Mitigating Environmental Impact of Cage Culture Through Integrated Cage-cum-Cove Culture System in Tri An Reservoir of Vietnam
Sponsor: PDA/CRSP/USAID

Mitigating the Effects of High Temperature and Turbidity on Seed Production of Nile Tilapia from Hapa-in-Pond Systems
Sponsor: PDA/CRSP/USAID

Optimization of Nitrogen Fertilization Regime in Fertilized Nile Tilapia Ponds with Supplemental Feed
Sponsor: PDA/CRSP/USAID

Workshop on Fertilization Strategies for Pond Culture in Bangladesh
Sponsor: PDA/CRSP/USAID

Shrinfo in Shrimp Research Information Database (Phase II)
Sponsor: BIOTECH, Thailand

Research

Adoption of Precision Agriculture Technology to Evaluate the Land Use Suitability for Selected Crops in Thailand

Sponsor: AIT Research Initiation Grant

Matching Farm Productivity with Environmental Concerns

Sponsor: Danida

Niche Opportunities for Small-Scale Farmers

Sponsor: Danida

Asian Regional Research Program on Environmental Technology Phase- I (ARRPET Phase I)

Sponsor: Sida

International Conference on Wastewater Treatment for Nutrient Removal and Reuse (ICWNR i04)

Sponsors: Danida

Wastewater Treatment and Management

Sponsor: Sida

Industrial and Hazardous Waste Treatment and Management

Sponsor: Sida

AIT-DTU Twinning Phase-II: Industrial Wastewater Treatment for Reuse

Sponsor: Danida

Improving Air Quality in Asian Developing Countries (ARRPET) Phase I

Sponsor: Sida

Modeling Tool in Air Quality Management

Sponsor: Danida

Modeling for Environmental Impact Assessment of Odor Pollution from Wastewater Treatment Plant

Sponsor: Earthtech, Thailand

Application of Constructed Wetlands for Treatment of Wastewater from Smoked Rubber Plants

Sponsor: Royal Thai Government

Demonstration Project on Application of Constructed Wetlands for Septage Treatment

Sponsor: Pollution Control Department, Ministry of Natural Resources and Environment

Development of Appropriate Onsite Wastewater Treatment Systems for Small-scale Communities

Sponsor: Pollution Control Department, Ministry of Science, Technology and Environment

National Center of Competence in Research North ñ South: IP3 Environmental Sanitation and Urban Agriculture

Sponsor: The Swiss Federal Institute for Environmental Science and Technology (EAWAG), Switzerland

Septage Treatment in Constructed Wetlands and Attached-Growth Waste Stabilization Ponds ñ Phase 5

Sponsor: The Swiss Federal Institute for Environmental Science and Technology (EAWAG), Switzerland

Technical Workshop on Sustainable Wastewater Treatment in Developing Countries

Sponsor: Chia Nan University of Pharmacy & Science, Taiwan

Molecular Microbiological Approach to the Anaerobic and Anoxic Groups of Bacteria

Sponsor: AIT Research Initiation Grant

Asian Regional Research Programme in Energy, Environment and Climate ñ Phase II (ARRPEEC-II)

Sponsor: Sida

Development of Toxic Industrial Wastewater Treatment Technology based on Advanced Oxidation Processes and Membrane Bioreactor

Sponsor: Royal Thai Government (RTG)

Sustainable Solid Waste Landfill Management in Asia (Phase-1)

Sponsor: Sida

Mitigating Environmental Emissions from the Power Sector: Analyses of Technical and Policy Options in Selected Asian Countries

Sponsor: Sida

Analyses of Technical Options for Mitigating Environmental Emissions from the Urban Transport System in Selected Asian Countries

Sponsor: Sida

Small and Medium Scale Industries in Asia: Energy, Environment and Climate Interrelations

Sponsor: Sida

Capacity Development for the Clean Development Mechanism ñ Phase I

Sponsor: UNEP Collaborating Centre on Energy and Environment (UCCEE), Denmark

Energy System Modeling and Emissions Inventory

Sponsor: Fuji Research Institute Corporation, Japan

Energy and Environment Management in ASEAN

Sponsor: FRIC (Fuji Research Institute Corporation), Japan

Adjustment to Building Energy Code

Sponsor: Danida

Reform of Electric Supply Industry in Thailand

Sponsor: Electricity Generating Authority of Thailand

Development of Educational Aids to Promote Effective Teaching of Energy Management in Buildings

Sponsor: Energy Conservation Promotion Fund, Thailand

International Conference on Electric Supply Industry in Transition: Issues and Prospects for Asia

Sponsor: ESI Fund

An Improved Lagrangian Relaxation for Generation Scheduling in Day-Ahead Electricity Market

Sponsor: Energy Policy and Planning Office (EPPO), Thailand

Constrained Optimal Power Dispatch for Electricity and Ancillary Services Auctions

Sponsor: NEPO, Thailand

Electric Power Systems Management Training to Personnel from Laos, Cambodia and Vietnam

Sponsor: Sida, Sweden

Thailand Energy and Environment Network (TEENET) Project under Regional Energy Resources Information Center (RERIC)

Sponsor: Energy Policy and Planning Office (EPPO), Thailand

Renewable Energy Technologies in Asia: A Regional Research & Dissemination Programme Phase III
Sponsor: Sida

CANMET Energy Technology Centre/Varenes (CETC-V), Canada (RETSCREEN International Training Seminar)
Sponsor: CANMET Energy Technology Center-Varenne, Canada

Renewable Energy Database Project: Renewable Energy and Energy Efficiency
Sponsor: UNESCO

Capacity Building for Database Development, Management and Networking in Support of Policies on Energy for Sustainable Development
Sponsor: UNESCO, Jakarta

Research on Innovation and Strategic Policy Options for the Transport Sector (RISPO) Phase I
Sponsor: IGES, Japan

Research on Innovative and Strategic Policy Options (RISPO) Phase II
Sponsor: Institute for Global Environmental Strategies (IGES), Japan

Testing of TATA BP Solar Water Heater
Sponsor: TATA BP Solar (India)

Partial Feasibility Study for Ratchatewa Landfill Site Gas to Energy Project
Sponsor: Government of Japan

SF6 and PFC Study for Thailand and Singapore: Identification of CDM Potential Project
Sponsors: Mitsubishi Securities Co., Ltd

Capacity Building Programme: Removal of Barriers Regarding CDM in Thailand
Sponsor: Electric Power Development Co., Ltd

Thailand Building Chiller Replacement Project.
Sponsor: United Farmer & Industry Co., Ltd., Thailand

Extraction of Nutraceutical Antioxidants from Rice Bran
Sponsor: Royal Thai Government

Characterization of Chitosan Membranes to be used for Membrane Treatment
Sponsor: Southeast Asian Center for Water Environment Technology (SACWET), Bangkok, Thailand

Economic Transition and Technology Change in Silk Production, Northeast Thailand: Gendered Effects
Sponsor: RTG

Sexual Exploitation and Trafficking of Women and Children
Sponsor: Oxfam, United Kingdom

Technology Transfer of Commercializing Freshwater Aquaculture in Northeast Thailand
Sponsor: Royal Thai Government

Study tour of National Academy for Public Administration (NAPA), Vietnam
Sponsor: CEG, Vietnam

Investigation of Spectral Properties of Salt-Affected Soils and Their Mapping Using Remote Sensing Data: A Case of Nakhon Ratchasima Province of Northeast Thailand
Sponsor: AIT Research Initiation Grant

Asian Irrigation Institution Systems Transition: Sustainability and Implications
Sponsor: The Ford Foundation

Michigan State University Study Abroad Program III
Sponsor: Michigan State University, USA

■ In Progress

Evaluation of Comparative Growth and Reproductive Performance of Improved Nile Tilapia Genotype Under Intensive and Extensive Culture Conditions
Sponsor: Aquaculture CRSP/USAID

Controlled Reproduction of an Important Indigenous Species, *Spinibarbus Denticulatus* in South-east Asia
Sponsor: Aquaculture CRSP/USAID

Conservation of Black Tiger Shrimp, *Penaeus Monodon* Genetic Diversity through Cryogenic Preservation of Gametes
Sponsor: Royal Thai Government (RTG-AIT)

Cryogenic Preservation of Threatened Pangasiid Catfishes on Thailand
Sponsor: BIOTECH-Thailand

Improvement of Thai SS-strain *Rifters (Branchrotundiformis)* as Source of Live Prey for Early Stage Fish Larvae
Sponsor: ROVITHAI

The Application of the Mekong Giant Catfish (*Pangasianodon gigas*) Sperm Cryopreservation for Conservation and Commercial Breeding in Aquaculture
Sponsor: Royal Thai Government (RTG)

Identification of Sex in Immature Mekong Giant Catfish (*Pangasianodon gigas*) by Using Molecular Genetic Technique (AFLP)
Sponsor: Royal Thai Government (RTG)

Improved Resource Use Efficiency in Asian Integrated Pond-Dike Systems (Pond-Live)
Sponsor: European Commission

Managing Pesticides in Vegetable System in Southeast Asia: Combining Environment and Trade
Sponsor: EU through Alterra Wageningen University

New Paradigm in Farming of Freshwater Prawn (*Macrobrachium Rosenbergii*) with Closed and Recycle Systems (Phase II)
Sponsor: Aquaculture CRSP/USAID

Research

Integrated Cage-cum-Pond Culture Systems with High-Valued Fish Species in Cages and Low-Valued Species in Open Ponds (Phase II)

Sponsor: Aquaculture CRSP/USAID

Use of Rice Straw as a Resource for Freshwater Pond Culture

Sponsor: Aquaculture CRSP/USAID

Establishment of Links with Chinese Institutions in Collaboration on Aquaculture and Environmental Impacts

Sponsor: Aquaculture CRSP/USAID

Optimization of Nitrogen Fertilization Regime in Fertilized Nile Tilapia Ponds with Supplemental Feed (Phase II)

Sponsor: Aquaculture CRSP/USAID

Adapted Greenhouse Systems for Integrated Vegetable Production in Tropical Climates

Sponsor: DFG Germany

Protected Cultivation: An Approach to Sustainable Vegetable Production in the Humid Tropics - Phase II

Sponsor: Hannover University, Germany

Hannover ñ AIT Protected Cultivation Project - Phase II

Sponsor: Hannover University, Germany

Development of a Rotary Tiller for Mixing Sugarcane Residues

Sponsor: Royal Thai Government (RTG)

Upgrading of Greenhouse Facility

Sponsor: Hannover University, Germany

Protected Cultivation: An Approach to Sustainable Vegetable Production in the Humid Tropics

Sponsor: DFG, Germany

Hannover ñ AIT Protected Cultivation Project

Sponsor: Hannover University, Germany

Land-Use Dependent Soil Quality Dynamics of Sloping Agricultural Lands in Sri Lanka

Sponsor: AIT/Danida

Asian Regional Research Program on Environmental Technology Phase-II (ARRPET Phase II)

Sponsor: Sida

Wastewater Treatment and Management II

Sponsor: Sida

Use of Combination of Irradiation and Modified Atmosphere Packaging in Extending Shelf Life of Chilled Thai Spicy Basil Rice

Sponsor: International Atomic Energy Agency, Austria

Industrial and Hazardous Waste Treatment and Management

Sponsor: Sida

Dissolved Oxygen Control System for Upgrading Conventional Activated Sludge Process for Seafood Industrial Wastewater

Sponsor: Royal Thai Government (RTG)

Quality Assurance for the Curriculum and Course Materials Development for the Major Courses of Undergraduate Environmental Science Program at the Royal University of Phnom Penh (RUPP)

Sponsor: Danida

Development of Innovative Technology for High-Strength Low-Degradable Wastewater Treatment: BEC, RCO and MBR.

Sponsor: Korean Institute of Science and Technology (KIST)

Asia-link (BUW): Development of an International Long Distance Internet-Based Master Courses on Environmental Technology and Management

Sponsor: European Commission

Asia-Link (TUHH): Development of Teaching and Training Modules for Higher Education in Waste Management Sector

Sponsor: European Commission

Application of Upflow Filter Technology for Piggery Wastewater Treatment and Resource Recovery under Tropical Conditions (UAFF-FISH)

Sponsor: Kumoh National Institute of Technology, Korea

Enhancement of Natural Attenuation of Soil and Groundwater Polluted by Trichloroethylene (TCE)

Sponsor: Royal Thai Government (RTG)

The Fate of Paraquat in an Irrigated Sweet Corn Plot in Thailand

Sponsor: Syngenta Crop Protection Limited, Thailand

Southeast Asia Urban Environmental Management Applications Project

Sponsor: Canadian International Development Agency (CIDA)

Research on Southeast Asian Water Environment and Technology

Sponsors: University of Tokyo

Asian Regional Research Program in Energy, Environment and Climate, Phase III (ARRPEEC-III)

Sponsor: Sida

Biomass Energy in Asia: Assessment and Strategy Formulation

Sponsor: Sida

Strategies for Promotion of Energy Efficient and Cleaner Technologies in the Power Sector

Sponsor: Sida

Environmental Emission Mitigation Options in the Transport Sector

Sponsor: Sida

Capacity Development for the Clean Development Mechanism ñPhase II

Sponsor: UNEP Riso, Denmark

Capacity Development for the Clean Development Mechanism: First Extended Regional Workshop

Sponsor: UNEP Riso, Denmark

Capacity Development for the Clean Development Mechanism: Second Extended Regional Workshop

Sponsor: UNEP Riso, Denmark

Capacity Development for the Clean Development Mechanism: First Regional Workshop

Sponsor: UNEP Riso, Denmark

Capacity Development for the Clean Development Mechanism: Second Regional Workshop

Sponsor: UNEP Riso, Denmark

Clean Development Mechanism: Baseline Guidebook

Sponsor: UNEP Riso, Denmark

Capacity Development for the Clean Development Mechanism: Third Regional Workshop

Sponsor: UNEP Riso, Denmark

Capacity Development for the Clean Development Mechanism: Fourth Regional Workshop

Sponsor: UNEP Riso, Denmark

Integrated Assessment Model for Developing Countries (IAMDC) and Analysis of Mitigation Options and Sustainable Development Opportunities

Sponsor: Asia Pacific Network for Global Change Research

Renewable Energy Technologies (RETs) Theme Project

Sponsor: GNESD

Energy and Environmental Strategies Database

Sponsor: Fuji Research Institute Corporation

Dissemination and Policy Dialogue for GNESD

Sponsor: GNESD

Energy and Poverty: Knowledge and Analytical Support

Sponsor: UNDP, New York

Regional Workshop on Electricity and Development (UNDP Outreach and Engagement Component)

Sponsor: UNDP

Regional Workshop on Electricity and Development (URC General Component)

Sponsor: UNEP Risoe Center

Development of Educational Aids to Promote Effective Teaching of Energy Management in Buildings

Sponsor : Energy Conservation Promotion Fund, Thailand

Development of Media and Transfer of Technologies for Energy Conservation

Sponsor: Energy Conservation Promotion Fund, Thailand

Rural Electrification Decentralized Energy Options (REDEO)

Sponsor: ACE, Jakarta

Strengthening Competitive Competency of Thai Organic Food in EU Market

Sponsor: Ministry of Agriculture and Cooperative, Thailand

Improvement of Existing Technology (Fumigation) and Packaging of Rice

Sponsor: Thailand Research Fund and Rice Engineering Supply Co., Ltd.

Organic Farming by Using Bio-Fertilizer, Crop Rotation and Alley Farming

Sponsor: Royal Thai Government

Irradiation of Chilled Thai Composite Meal (Pad Thai Noodle)

Sponsor: International Atomic Energy Agency (IAEA) Vienna

Organic Food Production

Sponsor: Royal Thai Government (RTG) Research Grant

International Conference on Innovations in Food Processing Engineering and Technology Phase II

Sponsors:

Development of Standard Methods for Evaluating Thai Rice Quality by Near Infrared Spectroscopy

Sponsor: Royal Thai Government (RTG) Research Grant

Asia Link EU Grant on iGender, Development and Public Policy Studies in the Asian Contexti

Sponsor: European Union (EU)

Urban Management Program (UMP)ñ Asian Institute of Technology (UMP-AIT) Partnership (Phases III & IV)

Sponsors: UN-HABITAT, UNDP, DFID, SDC

Women's Oral History Project in Northern Karen State

Sponsor: OSIDEV Foundation

Mainstreaming Gender in HIV/AIDS Prevention and Care Activities in Phnom Penh Municipality, Cambodia

Sponsor: UN Habitat

Woman Negotiating the Borders: Marketing Route and Cross-Border Trade of Inland Fish Between Thailand and Cambodia

Sponsor: Research North-South (NCCR)

Potential of Acacia Wood Species as Pulpwood in Thailand

Sponsor: Royal Thai Government

Strengthening Gender Mainstreaming Capabilities in IFAD Projects in Cambodia and Vietnam

Sponsor: Japan Women in Development (WID), UNIFEM

Strengthening Gender Mainstreaming Capabilities in IFAD Projects in Laos PDR

Sponsor: IFAD, Asia Division

Development, Land Use Change and Forest Conservation in Central Vietnam

Sponsor: MacArthur Foundation, USA

Professional Enhancement and Curriculum Development to Strengthen Andalas University's New Masteris Degree Program in Integrated Natural Resources Management and Development

Sponsor: Ford Foundation

Asian Irrigation Institutions and Systems (AIIS) Dynamics study and Database Management

Sponsor: University of Hong Kong

Botanical Exploration of Tropical Forest in Thung Yai Naresuan Wildlife Sanctuary, Western Thailand

Sponsor: National Geographic Society Research and Exploration

Ecology of Tropical Forest in American Samoa

Sponsor: Department of Marine and Wildlife Sanctuary, Government of American Samoa and National Park of American Samoa

Establishment of Permanent Forest Monitoring Plots on Ta'u, American Samoa

Sponsor: National Park System of USA

Optimizing Deinking Potential of Local Old Newspaper (LONP)

Sponsor: Royal Thai Government

Rental Housing Options for Low-income Communities in Bangkok Metropolitan Area: A Study of the Existing Typology of Housing and their Environmental Conditions

Sponsor: National Housing Authority

Research

School of Management (SOM)

■ Completed

Vivendi Executive Seminar 2002, China

Sponsor: ESCP-EAP, Paris and Vivendi, Paris

Analyses of Technical Options for Mitigating Environmental Emissions from the Urban Transport System in Selected Asian Countries. (ARRPEEC)ñPhase II

Sponsor: Sida

Ansell Management Development Programme 2003-04

Sponsor: Ansell Limited, HR Asia Pacific, RICHMOND MELBOURNE, Australia

MDI Program

Sponsor: Management Development Institute

Human Resource Management Research Project

Sponsor: Carrefour Thailand

■ In progress

SOM/HUT

Sponsor: HUT Lahti Center

The International Conference on Globalization, Innovation and Human Resource Development for Competitive Advantage

Sponsor: GTZ, Denso (Thailand) Co.,Ltd

Strategic Human Resource Management for Firms Innovation and Competitive Advantage

Sponsor: Royal Thai Government (RTG)

Asian EMERGENCE

Sponsor: Institute for Employment Studies (IES)

Mitigating Environmental Emissions from the Urban Transport System in Selected Asian Countries: Strategies for Promotion of Energy Efficient Options (ARRPEEC)-Phase III

Sponsor: Sida

Techno-business Start-up Consultancy Cum Training

Sponsor: The National Electronics and Computer Technology Center (NECTEC), National Science & Technology Development Agency (NSTDA)

Ansell Leadership Development 2004-05

Sponsor: Ansell Limited

AIT Extension

■ Completed

Small and Medium Scale Enterprises

Sponsor: Palli Karma Shayak Foundation

Environmental Impact Assessment and Review

Sponsor: Multiple Sponsors

Others

DEC

V-Class Software Development

Sponsor: Royal Thai Government (RTG)

UNEPRRC

RAS 0024 NSDS- National Sustainable Development Strategies & Action Plans towards Main Streaming Sustainable Development in the Decision Making Process - A Vision for 21st Century for South Asia

Sponsor: NORAD

ADB-AIT Networking Project

Sponsor: ADB



P ROFESSIONAL DEVELOPMENT AND TRAINING

TITLE	SPONSOR
ADB Workshop on Product Specification	ADB
The Use of ICT's for Reporting on the Science of HIV/AIDS	UNESCO/SDN
ADB Workshop on Increasing Stakeholder Participation using ICT	ADB
APAARI Workshop on Capacity Building for Developing National Agricultural Information System	APAARI
Technical Workshop on: Proposed Nam Theun 2 Hydroelectric Project in Laos PDR	ADB
GEA/AIT Message from Asia on the UN Decade of Education for Sustainable Development	GEA/AIT
Induction Workshop on GMSARN Project (Aug 04 - Aug 05)	ASEAN Foundation
ST. Bio-Engineering for Bhutanese Road Engineers (Bhutan)	Bhutan Dept. of Roads
ST. Community Infrastructure Development and Management (Bangladesh); Batch I	LGED Bangladesh
Quality Management in Construction Works	Bhutan Dept. of Roads
Construction Management	Min. of Education
ST. Rural Agribusiness Development and Management (Sri Lanka); Batch I	SPCDP, Sri Lanka
Road and Bridge Maintenance Management (Bhutan)	Bhutan Dept. of Roads
EU11 Environmental Impact Assessment and Review	Multi-donor
ST. Community Infrastructure Development and Management (Bangladesh); Batch II	LGED/ Bangladesh
Subsoil Investigation and Pavement Design (Bhutan)	Bhutan Dept. of Roads
Traffic Engineering, Management and Safety for DCC, Bangladesh	ADB/DCC
Third SESIP Training Course on Education Management & Trainer Training (TTT)	TTT/ New Zealand
Delivering Quality Extension Services	Danida/ Bangladesh
ST. Inland Aquatic Resources Development Management	TTT/ Bangladesh
Construction Management for Engineers from Bhutan Power Corporation	Bhutan Power Govt.
EU32 Rural Road Development and Maintenance Management; Maldives	Maldives Government
AOTS-EBARA Intl. Trng. Course on Solid Waste Management for Environmental Preservation	AOTS & EBARA/ Japan
Community Rural Development Planning	Min. of Manpower and Transportation
ADB Environmental & Natural Resource Planning and Management	ADB
Technicians Training Science & Technology Personnel Development Project, STPDP	ADB
ST. Participatory Irrigation Management for Pondicherry Department of Public Works, India	Pondicherry Dept. of Public Works, India
Environment Risk Management	Dept. of Road
Contract Management	Dept. of Road
Education Policy Support and Strategic Planning	SESIP/ Bangladesh
Development of Web-accessible Client/Server MS SQL Server Database	FAO/ Vietnam
TOT for Trainers of English Language Medium Secondary School Teachers I, Science and Technology	SEMP/ Sri Lanka
Computer Aided Project Management	Min. of Education/ Sri Lanka
Networking Basic & Selected Web & GIS Applications Development Tools & Techniques	Min. of Education/ Bangladesh
Study Visit for Cambodian Ministry of Education Officials	ADB/ADB I
ICT Application in Management	LGED/ Bangladesh
TOT for Trainers of English Language Medium Secondary School Teachers II, Mathematics	SEMP/Sri Lanka
Install & Administration of Windows 2000 Servers	Min. of Comm. and Trns.
Fredskorpset Preparatory Course in Asia II	Fredskorpset/ Norway

Professional Development and Training

TITLE	SPONSOR
Application of ICT in Rural Planning and Management	<i>LGED/ Bangladesh</i>
Install & Administration of Windows 2000/2003	<i>GTZ</i>
Development of Internet/Internet Assessable Information System using MS/SQL Server	<i>GTZ/ Botswana Institute</i>
GIS as a Planning and Management Tool	<i>ADB</i>
Survey Questionnaire Design & Data Organization and Analysis for Needs Assessment Monitoring and Evaluation	<i>Min of Education</i>
Web Page Development & Deployment	<i>School of Health & Science/NP</i>
Development of Internet/Internet Assessable Information System using MS/SQL Server	<i>Multi-donor</i>
Application of ICT in Rural Planning and Management	<i>Local Gov. Eng. Dept.</i>
Distribution & Development of Educational and Instructional Materials	<i>Educational Publications</i>
Library Attachment Program	<i>Library & Info Services</i>
TOT for Trainers of English Language Medium Secondary School Teachers III, ICT Secondary Education Sector Improvement Project, SESIP	<i>SEMP/ Sri Lanka UNESCO/ Nepal</i>
11th Professional Devt. Program on Training of Trainers	<i>SESIP/ Bangladesh</i>
Installation and Administration of Windows 2000/2003 Server	<i>UNFPA/ DTEC/ Thailand</i>
Training of Trainers for Institute of International Relations, Hanoi, VN	<i>Multi-donor</i>
Human Resource Management for Public Sector Management in Western China	<i>UNDP, Vietnam</i>
HRM-An International Perspective	<i>ADB/ WRHRD</i>
Strategic Management of NGOs (Bhutan)	<i>MDI India</i>
Human Resource Management	<i>Multi-donor</i>
Project Planning and Monitoring Process, North East Emergency Reconstruction Programme (NEERP), Sri Lanka	<i>Multi-donor</i>
Project Management	<i>NEERP/Sri Lanka</i>
Organizational Financial Planning and Cost Control	<i>Multi-donor</i>
Small and Medium Scale Enterprises for Senior & Mid-level Officers of Palli Karma-Sahaya	<i>Multi-donor</i>
Project Monitoring and Evaluation	<i>PKSF/ Bangladesh</i>
Planning and Administering Good Government for Nepal	<i>Multi-donor</i>
8th Advanced Management Program for Asia Pacific Manager	<i>DFID/Nepal</i>
Project Monitoring and Evaluation	<i>Multi-donor</i>
Effective Marketing in an Uncertain Environment	<i>DFID/Nepal</i>
2nd Small and Medium Scale Enterprises for Senior & Mid-level Officers of Palli Karma-Sahaya	<i>CBC/Sri Lanka</i>
HRD Skills for Functional Managers	<i>PKSF/ Bangladesh</i>
Planning and Administering Good Government	<i>Multi-donor</i>
Management and Implementation of Development Project	<i>Multi-donor</i>
Effective Management Skills and Techniques	<i>Multi-donor</i>
Management of Organizational Change	<i>Multi-donor</i>
GMS-Phnom Penh Plan for Development Management (Effective Rural Leadership Program)	<i>ADB</i>
Finance for Non-Finance Manager	<i>Multi-donor</i>
Supervisory Skills Development Course in Cambodia	<i>Multi-donor</i>
Business Leadership in an Uncertain Environment III	<i>World Food Program</i>
Seminar Cum Study Visit on Poverty Alleviation	<i>Commercial Bank, Sri Lanka</i>
	<i>Prime Minister Office of Nepal</i>



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A CTIVITIES ON SCHOLARSHIPS AND FELLOWSHIPS

AIT has steadily evolved since its inception as the SEATO Graduate School of Engineering in 1959. During the course of its 46-year history, the Institute has earned a well-deserved reputation for the high quality of its teaching, research and outreach activities. AIT academic programs, leading to Diploma, Certificate, Master and Doctoral degrees, are offered in response to the needs of the countries in the region and are by-and-large interdisciplinary so that engineering subjects are supplemented with their applications in the economic and social context.

Since its inception, AIT has been entrusted with funds using multilateral support for many donor governments and agencies from which scholarships were provided to majority of its students. These scholarships programs continue until the present, but the number of available scholarships has decreased due to changes in the multilateral support program of many donor governments and agencies. However, the demand from Asian countries for higher education in Engineering, Technology and Management as well as on environment, gender-responsive and sustainable development, continues to be high. This high demand far outpaces the capacity of the Institute to help in the human resources development and capacity building of the region, where the provision of scholarships and fellowships to students continue to be an important tool. To meet this demand, AIT has been entering into many cooperation or partnership agreements with governments, other national-level agencies, state universities and research institutions as well as international funding organizations for human resources development and capacity building of the region.

Fellowship programs to meet the human resources development and institutional capacity building of government agencies are currently being discussed with many governments in Asia's developing countries (Bangladesh, Pakistan, Nepal, Sri Lanka, Bhutan, Indonesia, and the Philippines). The Institute has also embarked to renew or re-launched collaborative partnerships with governments which used to provide support to AIT students in previous years. Ambassadors or their representatives are being visited and apprised of the activities of AIT, as well as also being invited to visit the Institute. In addition, the Institute continues to develop and foster academic linkages with Asian, European and American institutions for student and faculty exchange programs.

Major Scholarships and Fellowship Programs

Australia

Although Australia's official multilateral program at AIT ended in the 1990s, the Institute continues to promote cooperation with Australia mainly through agreements on academic and student exchanges, dual degree and joint teaching programs as well as research with Australian universities. A brochure is being prepared on the AIT- University of Wollongong Dual Degree program to be distributed in Thailand to target students to study one year at AIT and another year in Australia. Similar activities are being undertaken by AIT for academic exchange and joint research programs with the University of Queensland at Brisbane.

Austria

AIT and Austria had signed several scholarship agreements in succession since the 1990s for support of Asian nationals to study at AIT, particularly Bhutanese students. A new agreement for 2005-2007 is under its final stages of negotiation which will involve scholarships from the Austrian Development Agency for master degree and doctoral degree programs for students from Bhutan, Nepal and the International Center for Integrated Mountain Development (ICIMOD) member states. At least 5 scholarships for Bhutanese students are expected to be offered in the August 2005 intake.

Bangladesh

AIT's partnership with Bangladesh are implemented through its formalized MoUs with the American International University Bangladesh, the International Islamic University Chittagong and BRAC University on

international cooperation in education and research for institutional capacity building where about 4 master and doctoral students are currently studying at AIT as well as with the Ministry of Science and Information and Communication Technology. In addition, another 16 Bangladeshi master and doctoral students at AIT are being supported with scholarships through bilateral grants from World Bank, Denmark and ADB to governmental agencies and universities such as ADB Finance Forestry Sector Project with the Ministry of Environment & Forest, BRAC Education Foundation, and DFID Ministry Fisheries.

Belgium

Although official Belgian multilateral assistance program at AIT has ended, Belgium has actively been providing bilateral grants to its program countries in the GMS. Through its bilateral support project to Vietnam, 5 Vietnamese scholars are currently funded under the 2-stage Master program conducted partly at AIT Vietnam and at AIT. Another Vietnamese student under the same 2-stage program is expected to enrol in July 2005 at AIT Vietnam.

Bhutan

AIT has entered into a fellowship agreement with the Royal Civil Service Commission (RCSC) of Bhutan for Bhutanese students to be funded jointly by Bhutan and AIT fellowships. In addition to those Bhutanese students funded by the Austrian Government scholarships, another 4 Bhutanese scholars are currently studying at AIT funded by the Bhutanese government or estate agencies such as the Department of Roads

Activities on Scholarships and Fellowships

and Chukka Hydropower Corporation. A mission is being prepared in mid April 2005 where an AIT delegation will visit Bhutan to have discussions with the RCSC as well as with several Bhutanese Government ministries. The visit will also include a meeting with the Coordinator of the Austrian Coordination Bureau (ACB).

Cambodia

AIT has entered into agreements with donor governments for human resource development of Cambodian government and the universities. For institutional capacity building, AIT has also entered into formal MoUs with the Ministry of Education, Youth & Sports for master degree scholarships for Cambodian candidates nominated by the ministry and with several Cambodian universities such as the Royal University of Phnom Penh, Royal University of Law and Economics and the Royal University of Cambodia.

Canada

AIT's major partnership program with Canada is being implemented through scholarships from the Canadian International Development Agency (CIDA) for master degree and doctoral degree programs of students from ASEAN except Myanmar enrolling in the field of Urban Environmental Management (UEM) at AIT. The current agreement also provides for the conduct of joint research projects, seminars and conferences. 11 master and 2 doctoral scholarships will be offered in the academic year 2005 intakes. In addition, AIT has several academic exchange programme with Canadian universities to provide Canadian students opportunity to undergo special study or research in Asia through AIT. Several Canadian inter-governmental or inter-university programs are also supporting master students from Cambodia and Bangladesh at AIT such as the Waste Econ Program, University of Ontario, and the E7 Ontario Power Generation.

China

AIT's major partnership with China is implemented through the MoU between AIT and the Department of International Cooperation and Exchanges, Ministry of Education of China for master or doctoral degree scholarships at AIT for Chinese students nominated by the Chinese Government. Several MoUs have been successively signed since 1993 and the current MoU covers the period 2004-2006. At least 6 master scholarships will be offered in the August 2005 intake. AIT has also entered into several academic cooperation and exchanges with many reputed Chinese universities and institutions such as Wuhan University, Heilongjiang Bureau of Surveying and Mapping, Kunming University of Science and Technology, Chinese Academy of Engineering, Tongji University and the Chinese Academy of Surveying and Mapping.

Denmark

Although official multilateral support scholarships program of Denmark for students at AIT from Danish program countries ended in 2004, many of the student recipients are still continuing their studies with the last batch expected to graduate in May 2006. AIT, with the support of the Danish Government, continues to seek partnerships with the Danish program countries in Asia through their bilateral programs in Nepal, Bangladesh, Vietnam, Cambodia and Laos.

Ethiopia

Currently there are 10 Ethiopian doctoral students at AIT funded with bilateral grants provided by the World Bank or European donors to Ethiopian universities such as the Alemaya University's Agricultural Research Training Project (ARTP), and the Ethiopian Agricultural Research Organization (EARO). Most of these doctoral students are senior university faculty members in Ethiopia.

EU

AIT has been privileged to have established a productive cooperation with the European Commission among others, through the Postgraduate Technological Studies programme in 1999-2002 which was designed to reinforce Europe-Asia links particularly in human resource development through provision of scholarships and student exchange. The EC has also contributed to the human resource development in the field of energy, planning and economics in the region by providing scholarships and research grants to students studying in that field at AIT. In the recent years, AIT had the opportunity of being granted support for projects through EC's Asia-Link Programme and AIT intends to continue participating in this program by partnering with institutions in Europe and Asia.

Finland

AIT's main partnership program with the Government of Finland is implemented through the AIT-Finland MoUs which have been successively renewed since 1990s. The current MoU for 2004-2006 provides support for the Pulp & Paper Technology and Telecommunications, under which 25 master and 2 doctoral scholarships to Asian students at AIT are expected to be offered in the August 2005 semester intake. The Government of Finland has also been actively involved in the evaluation of the Institute's administration and management. Several Finnish companies, in the past, also provided scholarships such as Telecom-Finland-SONERA and NOKIA.

France

AIT and the French Government signed on 3 March 2005 new agreements providing 19 new scholar-

ships for Master studies at AIT for Southeast and South Asian students, about 50 mobility scholarships to support mobility and exchange programs with French partners, as well as support to other activities in 2005 for an overall budget of 647 100 Å. The two parties are currently developing a multi-annual framework for cooperation setting the objectives and modalities of their cooperation in the years to come. One key development is the finalization of a dual degree program between AIT and the French National Institute for Telecommunications due to start this year and which should see 3 Asian students and 3 French students receive both AIT's and INT's Master of Science degree in 2006. AIT has also exchange and dual degree programs with several prominent French business schools such as ESCP-EAP, CERAM, INT Management, and has entered into academic and research cooperation programs with French institutions, such as INRIA, CIRAD, INPG, INPT, INSA Lyon and Toulouse to name a few.

Germany

Official multilateral programs at AIT by the German Government ended in 2001, and the current cooperation with Germany is mainly through academic exchanges and joint degree programs between AIT and top German universities. AIT has an existing MoU with the Catholic Academic Exchange Service (KAAD) of Germany, where currently about 5 students at the master and doctoral degree programs are supported. Another Myanmar student is expected to enrol with KAAD support in August 2005 semester. KAAD's scholarships are mainly for Asian students with social and community development focus.

India

AIT's main partnership programs with India are implemented through the Indian faculty secondment program at AIT and operational grant support through the local currency fund for Indian students, staff and faculty. As India is no longer a major recipient of international scholarship grants, many Indian students enrol at AIT with external funding support as well as with partial funding through the AIT fellowships scheme.

Indonesia

AIT's partnership activities with Indonesia are implemented through its formalized academic MoUs with Indonesian Government Ministries such as the Ministry of Agriculture as well as several top Indonesian universities such as with Andalas University, Petra Christian University, Atmajaya University, Gadjadara University, and the University of Lampung through which Indonesian university faculty and researchers are admitted to AIT's master and doctoral degree programs. AIT has recently signed an MoU for the second batch of dual degree

program students with the Petra Christian University for the 2005 academic year. Currently, about 15 Indonesian students at AIT are funded through these MoUs. A mission visit of an AIT delegation was conducted in the end of March 2005 for promotions and student recruitment activities in Indonesia. The itinerary included meetings in the Ministry of Agriculture and Ministry of Education and visits to institutions at Bandung, Yogyakarta, Surabaya and Malang. Discussions were also made with the Indonesia AIT alumni chapter to enhance collaborative activities in support of AIT's promotion efforts.

Japan

AIT's main partnerships activities with the Government of Japan are conducted under several agreements with the Ministry of Foreign Affairs, JICA, and the National Space Development Agency (NASDA) through which scholarships, faculty and expert secondments, operations and equipment grant support are implemented. Currently, the Ministry of Foreign Affairs scholarships for master degree and doctoral degree programs are earmarked for students from developing countries in the Greater Mekong Sub-region, Central Asia and South Asia. 10 master and 1 doctoral scholarships will be offered in August 2005 intake. AIT's link with NASDA is noteworthy in that it provides for cooperation in earth science and observation as well as provides the exchange of engineers and researchers between Japan and Asia. AIT has also entered into several academic exchange and research cooperation programs with leading Japanese universities such as with Keio University, Kyoto University, National Institute of Informatics, Tokyo, The University of Tokyo, the University of Tsukuba, and the University of Yamanashi to name a few. Separately JICA, through its JICA Thailand Office, is also providing scholarships to 2 Laotian MBA students in the AIT School of Management. These 2 scholars are faculty members of the Economics Faculty of the National University of Laos. In addition to Japanese governmental support, the Japanese business sector such as the Keihin Electric Co. Ltd. Incorporated is also providing one master scholarship annually to an outstanding Asian student in the field of Telecommunications. One Asian student will be proposed for the August 2005 semester intake.

Korea

AIT's main partnership activities with Korea are through Korean faculty secondment program (at least one Korean faculty is seconded) and scholarships for Korean government officials for graduate studies at AIT, as well as through the Korean Endowment Fund for master scholarships for Asian students at AIT. Currently, 4 Korean students are supported by the Ministry of Government Administration and Home Affairs, and 3 Asian students by the Korean Endow-

Activities on Scholarships and Fellowships

ment Fund scholarships. AIT has also entered into academic cooperation and exchange programs with Hanyang University, the Korea Advanced Institute of Science and Technology, the Kumoh National University of Technology, and the Korea Institute of Science and Technology, where a dual degree program is also in place for AIT and KIST students.

Laos

AIT has entered into an agreement with the Ministry of Education of Laos for a cooperation program in education and research in technology, planning and management and to provide higher education to Laotian students. Laos is a major recipient of AIT partner scholarships, particularly from Sweden (Sida). A total of 17 Laotian students have joined the AIT Bridging program in March 2005, and all are expected to enrol in the master degree program starting August 2005 semester.

Malaysia

To increase the number of Malaysian students, AIT has been entering into agreements with universities and also launching promotional and student recruitment activities in Malaysia. AIT placed a promotional advertisement in one of Malaysia's English language dailies in early April 2005. An official invitation has also been extended for a visit to AIT of the Director of the Training Division of Public Service Department (PSD) of Malaysia for AIT to acquaint PSD with the Institute's academic offerings and research facilities as well as to discuss admission proposals aimed at increasing the number of Malaysian students at AIT. There are 6 Malaysian students currently studying at AIT, out of whom 3 are funded by the University Utara Malaysia and 1 by KOJADI.

Myanmar

Although Myanmar is not a major recipient of donor governments scholarships, AIT has established channels to ensure that academic and technological training are provided to Myanmar students. In addition, AIT also offers fellowships to enable outstanding but financially handicapped Myanmar students the opportunity to study at AIT. The Asian Development Bank, the Government of Japan and the World Bank are also regularly approached to assist the Institute in its human resource development programs for Myanmar.

Nepal

Under the MoU signed between the Ministry of Science and Technology of Nepal and AIT, 2 master degree fellowships will be offered to 2 Nepali students nominated by MOST, Nepal. These 2 students will enrol in August 2005 intake. Some Institute fellowships will be provided to complement the MOST scholarships. Through bilateral grants from ADB,

Denmark and World Bank, about 10 Nepali students are currently funded at AIT in the masters and doctoral programs. In addition, a similar number of Nepali students are admitted at AIT under AIT administered scholarships from Japan, Norway, and Thailand. Preparation for a promotional and student recruitment mission to Nepal is also underway scheduled for May 2005.

Netherlands

AIT acknowledges the positive recommendations of the external evaluation review of the current MoU between AIT and The Netherlands under the HRID 2001-2005 by a team of international experts conducted in November 2004. The recommendations reinforce AIT's mission in human resources and institutional development in countries of the Asia-Pacific region in partnership with The Netherlands and other governments. AIT is now working with the Development Cooperation Section of the Netherlands Government for the continuation of the HRID partnership program.

Norway

Norway is among AIT's main development partners and has been one for a long period of time. The current MoU covering the 2003 to 2005 period provided for a total of 60 master degree scholarships under the Norwegian Agency for International Development Cooperation (NORAD) assistance program for students from Bangladesh, Nepal, Sri Lanka and Vietnam as well as Bhutan, Cambodia, East Timor, Laos and Pakistan. NORAD places priority for the enrolment of women students. 20 scholarships will be offered in August 2005 intake. The focus is on poverty alleviation through environment, natural resources management, and rural development. AIT has also entered into several academic cooperation and exchange program with leading Norwegian universities through which faculty exchange and student exchanges are conducted.

Pakistan

Collaborative activities with Pakistan at the ministry and university levels have been launched for the Institute assist in the postgraduate education of Pakistan government officials and university lecturers/staff. In 2003, AIT signed an MoU with the Higher Education Commission (HEC) for doctoral and master degree scholarships for HEC nominated candidates admitted in the August 2003, January 2004 and August 2004 semester intakes. This MoU has been renewed for 2005-2008, where at least 30 master degree fellowships will be offered annually to Pakistani students nominated by HEC Pakistan. 30 students are expected to be nominated to either the August 2005 or January 2006 semester intakes. Some Institute fellowships will be provided to complement the HEC scholarships.

AIT has also entered into an MoU with the Peshawar University of Engineering and Technology (UET) for 5 doctoral degree students to be funded by UET. Some Institute fellowships will be provided to complement the UET scholarships.

AIT also initiated an agreement with the Lahore Women's University (LWU) under which 4 doctoral and 5 master degree candidates will be supported with LWU scholarships. Some Institute fellowships will be provided to complement the LWU scholarships.

Philippines

The Department of Science and Technology, Philippines-AIT 2003-2008 MoU provides fellowships to Filipino students nominated by DOST to AIT. So far, only one candidate has been nominated but there was no admission yet. AIT will follow-up with DOST to have the program re-invigorated. As the Philippines is no longer a major scholarship recipient, AIT's thrust in the Philippines has been to establish academic and research cooperation programs with leading Philippine universities and research institutions such as the Philippine Rice Research Institute.

Sweden

Sweden is currently AIT's major development partner and the biggest scholarships provider for students from Cambodia, Laos and Vietnam. Under the MoU 2004-2008, Sweden through the Swedish International Development Cooperation Agency (Sida) will support 132 master degree scholarships for studies in environment and sustainable development. 33 scholarships have been offered in academic year 2005 intakes and most of the students are now in the Bridging Program being conducted from March until July 2005.

Sri Lanka

Several MoUs have been signed with Sri Lankan national level institutions such as with the Ministry of Human Resource Development, Education and Cultural Affairs, the University of Peradeniya, and the Open University of Sri Lanka (OUSL) for both degree and non-degree training programs for Sri Lankan nationals at AIT. Under the MoUs with OUSL and University of Peradeniya, 3 doctoral candidates from each institution will enrol in August 2005 semester intake, all fully funded by Sri Lankan Government funds.

The AIT Extension will also continue to provide non-degree professional training in capacity building for 75 secondary school teachers, 75 private sector personnel, and 30 government officials from the Department of National Budget. Furthermore, under the MoU signed with the Ministry of Education,

Cultural Affairs and HRD in 2005, three groups of Training of Trainers (25 per batch) will be sent for a period of 3 months. This MoU is operational till 2007.

Switzerland

Official multilateral assistance program of the Government of Switzerland to AIT ended in June 2004, although the last batch of students are still continuing with their expected graduation in May 2005. Due to the change in development emphasis and approach, Swiss Development Coordination (SDC) will provide only bilateral assistance to its program countries in Asia. AIT's strategy will be to tap into these bilateral programs and work jointly with the program countries to develop HRD and other forms of academic and research collaborations.

Thailand

AIT's programs in Thailand support the Thai government's human resources development program; in particular complementing the Thai university system in producing doctoral degree graduates who will become faculty members. At the same time, Thailand has been a generous partner of AIT providing scholarships through official Royal Thai Government assistance program to AIT under Their Majesties HM King and HM Queen Scholarships for Asian students in technology, planning, management and the environment. 34 master degree scholarships will be offered in the August 2005 semester intake. AIT has also entered into academic and research cooperation with leading Thai universities and institutions such as the Chulabhorn Research Institute, Chulalongkorn University, Chiangmai University, Kasetsart University, Rajamangala Institute of Technology and the Rajabhat Universities. AIT has also entered into or finalizing MoUs with several private universities for faculty development programs such as with the Sripatum University and Rangsit University, as well as the National Science and Technology Development Agency (NSTDA) of Thailand, to name a few. Some of the recent partnership agreements are presented below:

- i Under the 5 year-MoU with the Ministry of Agriculture and Cooperatives signed in 2003, 5 doctoral scholarships and 10 master degree scholarships will be offered annually to Thai students nominated by the Ministry of Agriculture and Cooperatives of Thailand. The scholarships cover the full study costs of the students.
- ii In honour of Her Majesty Queen Sirikit on the auspicious occasion of Her Majesty's 70th birthday anniversary, the Ministry of Energy of Thailand in cooperation with AIT will be launching in late May 2005 Her Majesty Queen Sirikit Scholarships Program in energy conservation and

Activities on Scholarships and Fellowships

renewable energy for Thai students. Funds for the scholarships will be provided from the Energy Conservation Promotion Fund. A total of 4 master and 8 doctoral scholarships will be available annually for 2 years from August 2005 semester intake onwards.

In addition, the master scholarships provided by the Royal Thai Government under Their Majesties King and Queen Scholarships Programs, under the annual grant for 2005, 195 master and 13 doctoral RTG fellowships will be offered in academic year 2005 intakes to Thai students at AIT. A few of these fellowships can also be offered to students from the Greater Mekong Sub-region countries.

Vietnam

The Vietnamese Government through the Ministry of Education and Training (MOET) is providing master and doctoral scholarships to Vietnamese officials for study at AIT. The scholarships program at AIT has been ongoing for the past several years. At least 15-20 new Vietnamese students are expected to enrol at AIT, many of them under the two-stage program where part of the study is held at AIT Vietnam, and those who meet the requirements continue to study and complete their degree at AIT Thailand.

An increasing number of Vietnamese students, who are state officials or employees, are being supported in their study program at the master and doctoral degree levels in AIT. For the past several years, state agencies such as Vietnam Oil & Gas Corporation (Petro Vietnam), Electricity of Vietnam (EVN), as well as the Post and Telecommunications of Ho Chi Minh City have funded several batches of students. For August 2005 intake, between 40-50 new students are expected to enrol at AIT in Hanoi or in Bangkok, either in the two-stage program in AIT Vietnam or directly in the master program at AIT Thailand. All these scholarship programs are administered in the forms of MoUs, MoAs or special agreements.

In addition, AIT signed a similar scholarship program with the Project 300 of Ho Chi Minh City Vietnam. The P300 is a Training Project for 300 Prospective Master/Doctorate Awardees being undertaken by the Ho Chi Minh City local government for their Vietnamese officials and staff. 10-15 scholarships are expected to be offered in August 2005 intake.

International Funding Organizations/ Foundations/Corporate Sector

AIT also continues to maintain and launch new initiatives aimed at bringing international funding organizations, foundations and the corporate sector to partner AIT in Asia's HRD, R&D and institutional capacity building. Notable among these programs are:

ADB-JSP

Since 1989, the Asian Development Bank through the ADB-Japan Scholarships Program (ADB-JSP) has been providing scholarships to students from developing Asian member countries of ADB for study at AIT and other Asian institutions. Current ADB priority are for students from developing ADB member countries in Central Asia, Greater Mekong Sub-region and South Asia. At least 9 master scholarships are expected to be offered in August 2005 intake. AIT will also explore the possibility for ADB-JSP to consider supporting doctoral degree students from 2005 semester intakes onwards.

JJ/WBGSP

The Japanese Government, through the Joint Japan/World Bank Graduate Scholarship Program is providing master and doctoral degree scholarships to Asian students who meet JJ/WBGSP scholarship criteria. Currently, 25 students are being funded in the 2005 academic year and it is expected that this number can be further increased in the near future. JJ/WBGSP scholarships are provided to AIT students from Bangladesh, Cambodia, Laos, Myanmar, the Philippines, and Vietnam. As the World Bank does not need institutional endorsement, many of the scholars currently at AIT were also receiving some small amount of AIT fellowships as specified in the original offer of admission issued to them by AIT and JJ/WBGSP provides support for the major tuition costs not covered by the AIT fellowships.

USA

Since 1993, AIT has proposed annually, through the AIT Foundation Incorporated in the USA, for the Starr Foundation support of 1 master degree scholarship for an outstanding Thai student. Two Thai candidates will be proposed for the August 2005 semester intake.

The Ford Foundation, through its International Fellowships Program (IFP) has funded about 5 Chinese, Vietnamese and Thai students for master degree study at AIT. An MoU was signed between IFP and AIT in 2004 and the Institute is looking forward to a renewal and expanded implementation of the MoU in 2005 to cover more students.

AITAA Fellowships

The AIT and the AIT Alumni Association have initiated several fund raising activities to assist qualified but financially in need students to support their study costs at AIT. The AITAA Thailand Fellowships and the Friends of AIT in Pakistan Fellowships are some of the initiatives already implemented. It is expected that other initiatives will lead to more students to be supported in the August 2005 and 2006 semesters' intakes.



Financial Statements and Auditors' Report

AUDIT REPORT OF CERTIFIED PUBLIC ACCOUNTANT

To The Board of Trustees of Asian Institute of Technology

I have audited the balance sheets of Asian Institute of Technology as at December 31, 2004 and 2003, the related statements of revenues and expenditure, changes in fund balances and cash flows for each of the years then ended. These financial statements are the responsibility of the Organization's management. My responsibility is to express an opinion on these financial statements based on my audits.

I conducted my audits in accordance with generally accepted auditing standards. Those standards require that I plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. I believe that my audits provide a reasonable basis for my opinion.

In my opinion, the financial statements referred to above present fairly, in all material respects, the financial positions of Asian Institute of Technology as at December 31, 2004 and 2003, the revenues and expenditures, the changes in fund balances and cash flows for each of the year then ended, in conformity with generally accepted accounting principles appropriate for non-profit organization as set out in Note 2 to the financial statements.

(Somboon Supasiripinyo)
Certified Public Accountant
Registration No. 3731

KPMG Phoomchai Audit Ltd.
Bangkok
August 19, 2005

Financial Statements and Auditors' Report

Asian Institute of Technology Balance Sheets as at December 31, 2004 and 2003

ASSETS

	Notes	Baht	
		2004	2003 Restated
CURRENT ASSETS			
Cash and cash equivalents	5	570,588,318	534,122,231
Fixed deposits	6	184,011,156	340,727,877
Accounts receivable and accrued income	4,7	104,456,314	63,136,119
Advance deposits		245,217	341,517
Inventories	4	397,022	428,973
Assets held on behalf of donors	10	420,631,740	291,372,915
Total current assets		1,280,329,767	1,230,129,632
NON-CURRENT ASSETS			
Property and equipment	4,8	847,206,816	858,882,205
Total non-current assets		847,206,816	858,882,205
TOTAL ASSETS		2,127,536,583	2,089,011,837

LIABILITIES AND FUND BALANCES

	Notes	Baht	
		2004	2003 Restated
CURRENT LIABILITIES			
Accounts payable and accrued expenses	4,9	143,128,020	74,486,372
Deposits		5,441,696	5,745,856
Due to donors, and liabilities, of Agency fund	10	420,631,740	291,372,915
Total current liabilities		569,201,456	371,605,143
FUND BALANCES			
<i>Unrestricted</i>			
General-fund balance		-	(40,043,299)
<i>Restricted</i>			
Specific-fund balances		149,497,943	186,711,545
Program fund balance		263,369,907	244,641,801
Capital funds balances		857,590,201	866,768,119
General reserve		287,877,076	459,328,528
Total fund balances		1,558,335,127	1,717,406,694
TOTAL LIABILITIES AND FUND BALANCES		2,127,536,583	2,089,011,837

2004 Annual Report

Asian Institute of Technology Statements of Revenue and Expenditure for the years ended December 31, 2004 and 2003

	Notes	Baht	
		2004	2003 Restated
REVENUES	4,12		
Tuition and other fees		457,470,196	506,937,225
Research grants and contracts		344,380,642	408,133,984
Support operations		186,508,180	262,892,672
Training and others		171,291,214	114,050,386
Faculty secondments		44,776,720	60,658,310
Total revenues		<u>1,204,426,952</u>	<u>1,352,672,577</u>
EXPENDITURES	4,12		
Salaries and benefits	11	701,233,301	678,283,105
Materials, supplies and services		291,049,191	349,383,434
Contracted services		130,438,450	59,806,472
Communication and travel		72,252,401	56,311,484
Utilities and insurance		41,434,127	38,090,466
Faculty secondments		44,776,720	60,658,310
Total expenditure		<u>1,281,184,190</u>	<u>1,242,533,271</u>
Operating surplus/(deficit)		(76,757,238)	110,139,306
Depreciation	4,8	91,126,928	104,173,521
Excess of revenues over expenditure			
(expenditure over revenues) including depreciation		<u>(167,884,166)</u>	<u>5,965,785</u>
Non operating income (expenditure)			
Investment income		10,903,066	13,085,570
Loss on exchange rate		(5,044,937)	(35,308,809)
Disposal of assets		(2,259,951)	(1,861,885)
Net deficit		<u>(164,285,988)</u>	<u>(18,119,339)</u>

The accompanying notes are integral part of the financial statements

ASIAN INSTITUTE OF TECHNOLOGY
STATEMENTS OF CHANGES IN FUND BALANCES
FOR THE YEAR ENDED DECEMBER 31, 2004 (WITH COMPARATIVE TOTALS FOR THE YEAR ENDED DECEMBER 31, 2003)

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(Amount : Baht)	Notes	Restricted funds				Restricted capital funds			Total	
		Unrestricted current fund	Restricted fund - general	Endowment fund	Program fund	Restricted general reserve	Property and equipment	Liquid assets		December 31, 2004
Balances January 1, as previously reported		(32,634,532)	43,272,467	117,947,562	246,792,601	459,328,528	843,673,280	23,817,863	1,702,197,769	2,896,276,176
Elimination of inter-fund transactions		(7,408,767)	25,312,442	179,074	(2,150,800)	-	-	(15,931,949)	-	-
Recorded ISF tax liability		-	-	-	-	-	-	-	-	(29,128,378)
Assets capitalization		-	-	-	-	-	-	-	-	16,462,860
Change in accounting policy		-	-	-	-	-	-	-	-	(1,120,162,413)
Balances January 1,		(40,043,299)	68,584,909	118,126,636	244,641,801	459,328,528	843,673,280	7,885,914	1,702,197,769	1,763,448,245
Effect of capitalization of Program Fund Assets		-	-	-	-	-	15,208,925	-	15,208,925	8,304,027
Adjusted balance January 1		(40,043,299)	68,584,909	118,126,636	244,641,801	459,328,528	858,882,205	7,885,914	1,717,406,694	1,771,752,272
Additions (Deductions):										
Surplus/(deficit) for the year		(85,554,684)	6,645,335	1,175,713	(5,304,910)	7,894,380	(93,366,879)	4,225,057	(164,285,988)	(18,119,339)
Total		(125,597,983)	75,230,244	119,302,349	239,336,891	467,222,908	765,515,326	12,110,971	1,553,120,706	1,753,632,933
Transfers to/(from) other funds:										
- General fund		-	-	-	-	(125,597,983)	-	-	(125,597,983)	(50,000)
- Restricted current fund		-	-	-	-	-	-	-	-	-
- General		-	-	-	43,538,082	1,620,413	4,481,231	-	49,639,726	85,614,296
- Endowment		-	-	-	-	-	-	-	-	(1,395,800)
- General Reserve		125,597,983	(1,620,413)	-	-	-	55,368,262	-	179,345,832	63,976,351
- Sponsored program fund		-	(43,538,082)	-	-	-	19,505,066	-	(24,033,016)	(103,087,479)
- Capital fund		-	-	-	-	-	-	-	-	-
- Property and equipment		-	(4,481,230)	-	(19,505,066)	(55,368,262)	-	(1,612,557)	(80,967,115)	(85,357,978)
- Liquid assets		-	-	-	-	-	1,612,556	-	1,612,556	40,300,612
Transfers (to)/from funds held on behalf of others		-	(849,958)	5,455,033	-	-	637,292	(27,946)	5,214,421	(36,226,241)
Total		125,597,983	(50,489,683)	5,455,033	24,033,016	(179,345,832)	81,604,407	(1,640,503)	5,214,421	(36,226,239)
Balances as at December 31,		-	24,740,561	124,757,382	263,369,907	287,877,076	847,119,733	10,470,468	1,558,335,127	1,717,406,694

The accompanying notes are integral part of the financial statements

**ASIAN INSTITUTE OF TECHNOLOGY
STATEMENTS OF CASH FLOWS
FOR THE YEARS ENDED DECEMBER 31, 2004 AND 2003**

	Baht	
	2004	2003
Notes		Restated
CASH FLOWS FROM OPERATING ACTIVITIES:		
Opening fund balances	1,717,406,694	1,771,752,272
Closing fund balances	1,558,335,127	1,717,406,694
Movement in fund balances	(159,071,567)	(54,345,578)
Adjustments to reconcile movement of fund balance to net cash provided by operating activities:		
Prior year adjustment to property and equipment	58,921	-
Loss on disposal of assets	2,259,951	1,861,885
Depreciation	91,126,928	104,173,521
Unrealised gain on exchange	(2,738,507)	(6,207,737)
Movement in fund balance from operating activities before changes in operating assets and liabilities		
	(68,364,274)	45,482,091
Changes in operating assets (increase) decrease :		
Accounts receivable and accrued income	(41,320,195)	5,176,326
Deposits	96,300	795,894
Inventories	31,951	(42,267)
Changes in operating liabilities increase (decrease):		
Accounts payable and accrued expenses	68,641,648	(11,847,573)
Deposits payable	(304,160)	249,513
Net cash provided by/(used in) operating activities	(41,218,730)	39,813,984
CASH FLOWS FROM INVESTING ACTIVITIES		
Decrease (increase) in investments	158,361,933	(66,460,486)
Increase in property and equipment	(81,770,411)	(104,875,179)
Net cash provided by/(used in) investing activities	76,591,522	(171,335,665)

The accompanying notes are integral part of the financial statements

Financial Statements and Auditors' Report

**ASIAN INSTITUTE OF TECHNOLOGY
STATEMENTS OF CASH FLOWS (CONTINUED)
FOR THE YEARS ENDED DECEMBER 31, 2004 AND 2003**

	Notes	Baht	
		2004	2003 Restated
CASH FLOWS FROM FINANCING ACTIVITY		-	-
Effects of foreign exchange translation on cash and cash equivalents		1,093,295	6,019,833
NET INCREASE/(DECREASE) IN CASH AND CASH EQUIVALENTS		36,466,087	(125,501,848)
CASH AND CASH EQUIVALENTS - BEGINNING OF YEAR		534,122,231	659,624,079
CASH AND CASH EQUIVALENTS - END OF YEAR	5	570,588,318	534,122,231
Less: Deposits held as security for overdraft by Bank		(50,011,624)	(50,166,528)
CASH AND CASH EQUIVALENTS - END OF YEAR	5	520,576,694	483,955,703
SUPPLEMENTAL DISCLOSURE OF CASH FLOWS INFORMATION			
Cash paid during the year			
Interest		-	-
Income tax		-	-

The accompanying notes are integral part of the financial statements

**ASIAN INSTITUTE OF TECHNOLOGY
BALANCE SHEETS BY FUND
AS AT DECEMBER 31, 2004 AND 2003**

(Amount : Baht)	Notes	Restricted funds				Restricted capital funds			Total		
		Unrestricted current fund	Restricted fund - general	Endowment fund	Program fund	Restricted general reserve	Property and equipment	Liquid assets	Agency Fund	December 31, 2004	December 31, 2003 Restated
ASSETS											
CURRENT ASSETS											
	5	24,681,708	(5,981,835)	83,295,782	246,931,766	206,182,744	4,892,071	10,586,082	-	570,588,318	534,122,231
	6	26,349,071	23,509,655	41,359,394	11,953,885	80,839,151	-	-	-	184,011,156	340,727,877
	7	48,248,545	14,327,085	102,206	40,765,917	855,188	-	157,373	-	104,456,314	63,136,119
		181,356	63,861	-	-	-	-	-	-	245,217	341,517
	10	-	397,022	-	-	-	-	-	-	397,022	428,973
		-	-	-	-	-	-	-	420,631,740	420,631,740	291,372,915
		99,460,680	32,315,788	124,757,382	299,651,568	287,877,083	4,892,071	10,743,455	420,631,740	1,280,329,767	1,230,129,632
NON-CURRENT ASSETS											
	8	-	-	-	-	-	847,206,816	-	-	847,206,816	858,882,205
		-	-	-	-	-	847,206,816	-	-	847,206,816	858,882,205
		99,460,680	32,315,788	124,757,382	299,651,568	287,877,083	852,098,887	10,743,455	420,631,740	2,127,536,583	2,089,011,837
LIABILITIES AND FUND BALANCES											
CURRENT LIABILITIES											
	9	97,072,875	4,521,343	-	36,281,661	-	4,979,154	272,987	-	143,128,020	74,486,372
		2,387,805	3,053,884	-	-	7	-	-	-	5,441,696	5,745,856
	10	-	-	-	-	-	-	-	420,631,740	420,631,740	291,372,915
		99,460,680	7,575,227	-	36,281,661	7	4,979,154	272,987	420,631,740	569,201,456	371,605,143
FUND BALANCES											
		-	-	-	-	-	-	-	-	-	(40,043,299)
		-	24,740,561	124,757,382	-	-	-	-	-	149,497,943	186,711,545
		-	-	-	263,369,907	-	-	-	-	263,369,907	244,641,801
		-	-	-	-	847,119,733	-	10,470,468	-	857,590,201	866,768,119
		-	-	-	-	287,877,076	-	-	-	287,877,076	459,328,528
		-	24,740,561	124,757,382	263,369,907	287,877,076	847,119,733	10,470,468	-	1,558,335,127	1,717,406,694
		99,460,680	32,315,788	124,757,382	299,651,568	287,877,083	852,098,887	10,743,455	420,631,740	2,127,536,583	2,089,011,837

The accompanying notes are integral part of the financial statements

**ASIAN INSTITUTE OF TECHNOLOGY
STATEMENTS OF REVENUE AND EXPENDITURE BY FUND
FOR THE YEARS ENDED DECEMBER 31, 2004 AND 2003**

	Notes	Restricted funds				Restricted capital funds		Total	
		Unrestricted current fund	Restricted fund - general	Endowment fund	Program fund	Restricted general reserve	Property and equipment	Liquid assets	December 31, 2004
Revenues									
Tuition and other fees	4,12	405,992,051	51,478,145	-	-	-	-	457,470,196	506,937,225
Research grants and contracts		-	(1,621,745)	-	346,002,387	-	-	344,380,642	408,133,984
Support operations		12,341,553	172,654,368	-	(3,514,451)	-	20,000	186,508,180	262,892,672
Training and others		10,822,083	15,958,339	694,409	143,816,383	-	-	171,291,214	114,050,386
Faculty secondments		-	44,776,720	-	-	-	-	44,776,720	60,658,310
Total revenues		429,155,687	283,245,827	694,409	486,304,319	-	20,000	1,204,426,952	1,352,672,577
Expenditures									
Salaries and benefits	11	409,967,134	121,553,975	-	169,617,756	-	-	701,233,301	678,283,105
Materials, supplies and services		50,005,709	70,535,076	241,921	169,744,307	-	-	291,049,191	349,383,434
Contracted services		12,054,649	12,258,785	-	105,735,101	-	-	130,438,450	59,806,472
Communication and travel		17,674,187	10,848,441	-	43,729,773	-	-	72,252,401	56,311,484
Utilities and insurance		27,069,277	11,582,558	-	2,782,292	-	-	41,434,127	38,090,466
Faculty secondments		-	44,776,720	-	-	-	-	44,776,720	60,658,310
Total expenditures		516,770,956	271,555,555	241,921	491,609,229	-	-	1,281,184,190	1,242,533,271
Operating surplus/(deficit)		(87,615,269)	11,690,272	452,488	(5,304,910)	-	20,000	(76,757,238)	110,139,306
Depreciation	8	-	-	-	-	-	91,126,928	91,126,928	104,173,521
Excess of revenues over expenditure (expenditure over revenues) including depreciation		(87,615,269)	11,690,272	452,488	(5,304,910)	-	(91,106,928)	(167,884,166)	5,965,785
Non operating income (expenditures)									
Investment income		2,060,585	-	723,225	-	7,894,380	-	224,876	10,903,066
(Loss) on exchange rate		-	(5,044,937)	-	-	-	-	(5,044,937)	(35,308,809)
Disposal of assets		-	-	-	-	-	(2,259,951)	(2,259,951)	(1,861,885)
Net surplus /(deficit)		(85,554,684)	6,645,335	1,175,713	(5,304,910)	7,894,380	(93,366,879)	(164,285,988)	(18,119,339)

The accompanying notes are integral part of the financial statements

Asian Institute of Technology
Notes to Financial Statements as at December 31, 2004 and 2003

1. GENERAL INFORMATION

The Asian Institute of Technology (the Institute) is an international post-graduate institution providing programs in engineering, science, advanced technologies and related management and administration. The Institute operates on not-for-profit basis. The Institute is located at Km 42 Paholyothin Highway, Klong Luang, Pathum Thani.

2. BASIS OF FINANCIAL STATEMENTS PRESENTATION

The financial statements are presented in Thai Baht, in the Thai language, and in conformity with generally accepted accounting standards in Thailand. Accordingly, the financial statements are intended solely to present the financial position, results of operations and cash flows in accordance with accounting principles and practices generally accepted in Thailand.

In accordance with Announcement No 006/2542-2544 Compliance with Accounting Standards issued by the Institute of Certified Accountants and Auditors in Thailand, an entity is permitted to refer to other accounting standards where no guidance exists in Thai GAAP provided these reference points are identified. In preparing these financial statements the Institute referred to International Financial Reporting Standards (IFRS) together with advice available from the US (Statement of Financial Accounting Standards 117) and the UK (Statement of Recommended Practice: Accounting for Further and Higher Education Institutions).

The accompanying financial statements are prepared under the historical cost convention except for those items specified in the notes to financial statements.

For convenience of the readers, an English translation of financial statements has been prepared from the Thai language statutory financial statements, which are issued for domestic financial reporting purposes.

Fund Accounting

To ensure observance of limitations and restrictions placed on the use of the resources available to the Institute, the books of account of the Institute are maintained in accordance with the principles of "fund accounting". This is the procedure by which resources for various purposes are classified for accounting and reporting purposes into funds, which are in accordance with activities or objects specified. Within each fund group, fund balances which are restricted by outside sources are so indicated and are distinguished from unrestricted fund allocated to specific purposes by action of the governing board. The governing board retains full control of unrestricted funds to use in achieving institutional objectives.

The purposes and objects of the funds are as follows:

Unrestricted Current Fund (Fund 10)

This fund is the operating account of AIT. It is available for general operating purposes without restrictions, such as might be imposed by a grant agency or donor.

Restricted Fund-General (Fund 21)

The use of this fund is restricted to those units holding non-profit making status. This includes: AIT Center, AITCV, certain campus services, academic-related services supporting academic units and certain administrative functions.

Restricted Endowment Fund (Fund 22)

The Endowment Fund is used where donors have stipulated, as a condition of their gift, that the principal is to be maintained inviolate and in perpetuity. Some, or all, of the income from the investments may be used to further the objectives of the endowment.

Restricted Fund-General Reserve (Fund 23)

Donors and other agencies have granted funds to the Institute on the basis that the principal is held inviolate and in perpetuity. The income from the fund is available to the Institute to be expended in accordance with agreements established by the gifting party at the point of the donation or grant. The Board of Trustees stipulates that the surplus of the unrestricted current fund each year is transferred to the General Reserve and that the funds must be held for future use.

Sponsored Program Fund (Fund 30)

The sponsored program fund is subject to restrictions by donors or other agencies limiting its use to funding specific research projects, conferences, short courses, workshops or similar projects.

Capital Fund (Fund 41)

This fund holds the Institute's property, plant and equipment, including library books.

Capital Fund - Liquid Assets (Fund 42)

This fund records the renovations, repairs and replacement to the existing assets.

Agency Fund (accounted for as Fund 50)

These funds are held on behalf of donors and other agencies and are disbursed in accordance with their instructions. AIT has no title to these funds and the associated revenues and expenditures have been excluded from the statement of income. The assets held on behalf of these others have been disclosed in the balance sheet together with the associated liability for the same amount to these other parties.

3. RESTATEMENT OF FORM AND CONTENT OF FINANCIAL STATEMENTS

The Institute undertook a fundamental review of the form and content of its financial statements during 2004. There were two major drivers to the restatement. First the Institute desired to show the financial statements on a basis which gave a clearer view of its affairs. Second, that funds to which the Institute has no title, the escrow funds held on behalf of third parties, are clearly identified as such.

The comparative figures for 2003 have been restated to take account of the changes in presentation and to reflect the change in treatment of the Agency Fund. The assets of the Agency fund totaling Baht 291,372,915 have been treated as assets held on behalf of others with a corresponding liability for the amount that would have to be repaid to the donor should they request repayment.

During 2004, the Institute reviewed the accounting treatment relating to fixed assets acquired in connection with the Sponsored Program Fund. Assets that are held by the Institute should be capitalized as Property and Equipment in line with the accounting policy for owned assets. Those assets that were acquired prior to 2004 have been identified and adjustments made to reflect the proper accounting treatment.

Financial Statements and Auditor's Report

The effect of the above changes in accounting treatments on the income statement is as follows:

	Published Income Statement (Funds 10/21) 2003	Elimination Of Inter-fund Transactions 2003	Endowment Fund 2003	Capital Funds 2003	Sponsored Program Fund 2003	Recognition of Program Fund Assets 2003	Restated 2003
Revenue	975,151,367	(30,317,361)	-	6,856,455	410,682,201	(9,700,085)	1,352,672,577
Expenditure	(972,317,420)	(6,215,504)	-	(2,719,889)	(308,151,237)	9,700,085	(1,279,703,965)
Investment income	4,775,182	57,333	6,722,436	1,530,619	-	-	13,085,570
Depreciation	-	-	-	(101,378,334)	-	(2,795,187)	(104,173,521)
Surplus/(deficit)	7,609,129	(36,475,532)	6,722,436	(95,711,149)	102,530,964	(2,795,187)	(18,119,339)

The effect of the above changes in accounting treatments on the balance sheet is as follows:

	Published Balances 2003	Elimination Of Inter-fund Transactions 2003	Presentation of Cash & cash equivalents 2003	Agency Fund 2003	Recognition of Program Fund Assets 2003	Restated 2003
Cash	298,248,909	-	412,534,275	(176,660,953)	-	534,122,231
Fixed deposits	838,616,563	-	(412,534,275)	(85,354,411)	-	340,727,877
Accounts receivable	92,493,672	-	-	(29,357,553)	-	63,136,119
Other assets	168,448,441	(167,677,951)	-	-	-	770,490
Assets held for donors	-	-	-	291,372,915	-	291,372,915
Buildings & equipment	843,673,280	-	-	-	15,208,925	858,882,205
Accounts payable	89,835,442	599	-	(15,349,669)	-	74,486,372
Deposits	5,746,457	(601)	-	-	-	5,745,856
Other liabilities	167,677,951	(167,677,951)	-	-	-	-
Amounts due to donors	-	-	-	291,372,915	-	291,372,915
Fund balances	1,978,221,015	-	-	(276,023,246)	15,208,925	1,717,406,694

4 SIGNIFICANT ACCOUNTING POLICIES

4.1 Basis of preparation

The financial statements of the Institute comprise the funds of the Institute and those of its branch to which it holds title.

Branch

A Branch is an autonomous or semi-autonomous operating entity within an organization and which does not have a separate legal identity. The Branch will have separately identifiable assets, liabilities, cash flows, revenue and expenditure over which it has accountability.

4.2 Use of estimates

In order to prepare financial statements in conformity with generally accepted accounting standards in Thailand, management needs to make estimates and set assumptions that affect income, expenditure, assets and liabilities in order to disclose information on the valuation of assets, liabilities and contingent liabilities. Actual outcomes may, therefore, differ from the estimates used.

The estimates and underlying assumptions used in the preparation of these financial statements are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimate is revised if the revision

affects only that period, or in the period of the revision and future periods, if the revision affects both current and future periods.

4.3 Foreign currencies

Foreign currency transactions

Transactions in foreign currencies are translated at the foreign exchange rates ruling at the date of the transaction.

Monetary assets and liabilities denominated in foreign currencies at the balance sheet date are translated to Thai baht at the foreign exchange rates ruling at that date. Foreign exchange differences arising on translation are recognized in the income statement.

Non-monetary assets and liabilities that are measured in terms of historical cost in a foreign currency are translated using the foreign exchange rates ruling at the date of the transaction. Non-monetary assets and liabilities denominated in foreign currencies that are stated at fair value are translated to Thai baht at the foreign exchange rates ruling at the date that fair value was determined.

Foreign entities

The assets and liabilities of foreign entities are translated to Thai baht at the foreign exchange rates ruling at the balance sheet date.

The revenues and expenses of foreign entities, excluding foreign entities in hyperinflationary economies, are translated to Thai baht at rates approximating the foreign exchange rates ruling at the dates of the transactions.

The revenues and expenses of foreign entities in hyperinflationary economies are translated to Thai baht at foreign exchange rates ruling at the balance sheet date. Prior to translating the financial statements of foreign entities in hyperinflationary economies, the financial statements, including comparatives, are restated to account for changes in the general purchasing power of the local currency. The restatement is based on relevant price indices at the balance sheet date.

4.4 Property, plant and equipment

Owned assets

Property, plant and equipment are stated at cost less accumulated depreciation and impairment losses. The cost of self-constructed assets includes the cost of materials, direct labor, the initial assessment of the costs of dismantling (if relevant) and an appropriate proportion of production overheads.

Property that is being constructed or developed for future use as investment property is classified as property, plant and equipment and stated at cost until construction or development is complete, at which time it is reclassified as investment property.

Donated assets are stated at fair value at the time of donation, deemed cost. Subsequently they are stated at the deemed cost less accumulated depreciation.

Subsequent expenditure

Subsequent expenditure relating to an item of property, plant and equipment is added to the carrying amount of the asset when it is probable that the future economic benefits in excess of the originally assessed standard of performance of the existing asset will flow to the Institute. All other subsequent expenditure is recognized as an expense in the period in which it is incurred.

Depreciation

Depreciation is charged to the income statement on a straight-line basis over the estimated useful lives of each part of an item of buildings and equipment. The estimated useful lives are as follows:

Buildings	20 to 40 years
Furniture and equipment	5 to 10 years
Motor vehicles	8 to 15 years
Library acquisitions	6 years
No depreciation is provided on assets under construction.	

4.5 Trade and Other Receivables

Trade and other receivables (including balances with related parties) are stated at their invoice value less impairment losses.

Any impairment loss on doubtful receivables is assessed primarily on analysis of payment histories and future expectations of customer payments. Allowances made are based on historical write-off patterns and the aging of accounts receivables. Bad debts are written off when incurred.

4.6 Inventories

Inventories are stated at the lower of cost and net realizable value.

Cost is calculated using the first in first out method and comprises all costs of purchase, costs of conversion and other costs incurred in bringing the inventories to their present location and condition.

Net realizable value is the estimated selling price in the ordinary course of business less the estimated costs necessary to make the sale.

An allowance is made for all deteriorated, damaged, obsolete and slow-moving inventories.

4.7 Employee benefits

Defined contribution plans

Obligations to defined contribution pension plans are recognized as an expense in the income statement as incurred.

4.8 Provisions

A provision is recognized in the balance sheet when the Institute has a present legal or constructive obligation as a result of a past event, and it is probable that an outflow of economic benefits will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation. If the effect is material, provisions are determined by discounting the expected future cash flows at a pre-tax rate that reflects current market assessments of the time value of money and, where appropriate, the risks specific to the liability.

4.9 Trade and Other Payables

Trade and other payables (including balances with related parties) are stated at cost.

4.10 Revenue

Revenue received for the provision of goods and services are recognized in the period in which the goods are provided or the services rendered.

Grant income

Grant income is recognized when it is received due to the inherent uncertainty involved in both the rights to the revenue and the timing of the revenue.

Donations

Due to the absence of any obligation on the donor to make the donation and the uncertain nature of the timing of receipt, donations have to be recognized on a cash basis.

Contribution in kind

These represent services donated to the Institute in the form of a secondment of faculty or staff and where the value is estimated based on the approved Institute professional salary scale. The amounts are recognized as revenues and expenditures in the restricted general fund.

Investment income

Investment income is recognized on an accrual basis.

4.11 Expenses

Expenses are recognized in the period they are incurred. Interest expense is recognized in the income statement as it accrues.

4.12 Income tax

No income tax provision is made in the financial statements as the Institute is exempt from payment of income tax in accordance with the notification issued in the Royal Gazette dated October 25, 2510 B.E. (1967).

According to the announcement of ministry of Finance, the Institute has been exempted from Value Added Tax (VAT), except for services rendered by conference center following to Section 4(4) of the Royal Decree issued following to the Revenue Code which mentioned about VAT exemption (Book number) 239, 2534 B.E. (1991).

Financial Statements and Auditors' Report

5 CASH AND CASH EQUIVALENTS

Cash and cash equivalents as at December 31 are as follows:

	Baht	
	2004	2003 Restated
Bank accounts	184,511,181	121,587,956
Time deposits with maturity less than 3 months	386,077,137	412,534,275
Cash and cash equivalents	570,588,318	534,122,231
Less: Bank deposits pledged as collateral	(50,011,624)	(50,166,528)
Cash and cash equivalents ñ net of collateral	<u>520,576,694</u>	<u>483,955,703</u>

As at December 31, 2004 time deposits of Baht 50,011,624 (2003 - Baht 50,166,528) is pledged to secure a bank overdraft and provide collateral for outstanding letters of guarantee issued by the same bank (see note 15).

6 FIXED DEPOSITS

Fixed deposits as at December 31 are as follows:

	Baht	
	2004	2003 Restated
Time deposits with maturity more than 3 months	<u>184,011,156</u>	<u>340,727,877</u>

7 ACCOUNTS RECEIVABLE AND ACCRUED INCOME

Accounts receivable and accrued income as at December 31 are as follows:

	Baht	
	2004	2003 Restated
Tuition and other fees	38,105,201	11,979,444
Housing	17,080,738	11,331,692
Advances to employees and students	25,288,313	24,607,026
Accrued income	1,887,493	4,418,029
Other receivables	22,094,569	10,799,928
Total	<u>104,456,314</u>	<u>63,136,119</u>

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8 PROPERTY AND EQUIPMENT

Property and equipment as at December 31 are as follows:

	Baht						Total
	Campus Development	Buildings	Furniture & Equipment	Motor Vehicles	Library Assets	Construction in Progress	
Cost							
At 1 January 2003	40,197,152	1,029,799,200	659,705,610	33,154,450	202,855,083	16,462,860	1,982,174,355
Additions (restated)	4,988,927	-	51,582,969	18,969	15,961,848	32,322,466	104,875,179
Donations at fair value	-	-	-	-	-	-	-
Disposals	-	-	(1,861,885)	-	-	-	(1,861,885)
Transfers	-	-	-	-	-	-	-
	<u>45,186,079</u>	<u>1,029,799,200</u>	<u>709,426,694</u>	<u>33,173,419</u>	<u>218,816,931</u>	<u>48,785,326</u>	<u>2,085,187,649</u>
Additions	2,819,093	323,684	57,162,279	-	13,115,760	8,349,595	81,770,411
Donations at fair value	-	-	-	-	-	-	-
Disposals	-	-	(1,229,935)	(6,081,672)	-	-	(7,311,607)
Transfers	-	39,059,051	-	-	-	(39,059,051)	-
At 31 December 2004	<u>48,005,172</u>	<u>1,069,181,935</u>	<u>765,359,038</u>	<u>27,091,747</u>	<u>231,932,691</u>	<u>18,075,870</u>	<u>2,159,646,453</u>
Accumulated depreciation							
At 1 January 2003	-	399,620,321	537,780,960	19,246,600	165,484,042	-	1,122,131,923
Charge for the year (restated)	-	25,660,073	64,139,247	1,644,479	12,729,722	-	104,173,521
Impairment charges	-	-	-	-	-	-	-
Disposals	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-
	<u>-</u>	<u>425,280,394</u>	<u>601,920,207</u>	<u>20,891,079</u>	<u>178,213,764</u>	<u>-</u>	<u>1,226,305,444</u>
Charge for the year	-	26,168,038	49,122,746	1,645,205	14,190,939	-	91,126,928
Impairment charges	-	-	-	-	-	-	-
Disposals	-	-	(115,504)	(4,877,231)	-	-	(4,992,735)
Transfers	-	-	-	-	-	-	-
At 31 December 2004	<u>-</u>	<u>451,448,432</u>	<u>650,927,449</u>	<u>17,659,053</u>	<u>192,404,703</u>	<u>-</u>	<u>1,312,439,637</u>
Net book value							
At 31 December 2004	<u>48,005,172</u>	<u>617,733,503</u>	<u>114,431,589</u>	<u>9,432,694</u>	<u>39,527,988</u>	<u>18,075,870</u>	<u>847,206,816</u>
At 31 December 2003	<u>45,186,079</u>	<u>604,518,806</u>	<u>107,506,487</u>	<u>12,282,340</u>	<u>40,603,167</u>	<u>48,785,326</u>	<u>858,882,205</u>

The Institute entered into an agreement with the Ministry of Finance to lease land for 30 years from January 19, 1971 to January 18, 2001; on expiry of the lease agreement it gave the Institute the right to continue to lease the land. The Council of State ruled that the rightful entity with which the Institute should sign a new lease agreement is Thammasat University. The Institute successfully renewed the lease with the Thammasat University on June 10th, 2005. The new lease also contains a Memorandum of Understanding between the Institute and Thammasat University, concerning academic co-operation, as an integral part of the new lease agreement (Note 16).

Financial Statements and Auditors' Report

During 2004, the Institute reviewed the accounting treatment relating to fixed assets acquired in connection with the Sponsored Program Fund. Assets that are held by the Institute should be capitalized as Property and Equipment in line with the accounting policy for owned assets. Those assets that were acquired prior to 2004 have been identified and adjustments made to reflect the proper accounting treatment. The following adjustments have been made to restate the 2003 financial statements:

The net effect on the Program Fund prior to January 1, 2003 is nil as both the revenue and expense component net each other off when transferred to the Capital fund.

	Baht	
	Program Fund	Capital Fund
<i>negative values are a reduction</i>		
Transfer of funding - 2003	(9,700,085)	9,700,085
Depreciation Charge - 2003	-	(2,795,187)
Opening reserves January 1, 2003 (adjustment to opening cost)	-	10,273,537
Opening reserves January 1, 2003 (adjustment to opening accumulated depreciation)	-	(1,969,510)
Net assets	-	15,208,925

Depreciation for the year ended December 31, 2004, amounted to Baht 91,126,928 (For the year ended December 31, 2003: Baht 104,173,521)

9 ACCOUNTS PAYABLE AND ACCRUED EXPENSES

Accounts payable and accrued expenses as at December 31 are as follows:

	Baht	
	2004	2003 Restated
Owing to suppliers	16,395,596	7,689,476
Advance received from donors	7,174,864	-
Provision for ISF tax	28,355,982	32,913,165
Advance from students	24,960,678	1,162,150
Accruals	23,327,075	3,724,675
Tax payable	15,881,787	9,033,220
Payables to staff	6,170,522	6,779,387
Other liabilities	20,861,516	13,184,299
Total	<u>143,128,020</u>	<u>74,486,372</u>

10 ASSETS HELD ON BEHALF OF, AND AMOUNTS DUE TO, DONORS

The agency fund represents amounts held on behalf of donors and other agencies and are disbursed in accordance with their instructions. AIT has no title to these funds or the associated revenues and expenditures. The revenues generated and expenditure made by the fund is as follows:

2004 Annual Report

	Baht	
	2004	2003 Restated
Funds received from donors	398,136,760	316,628,916
Application of funds		
- Salaries and other benefits	46,798,773	40,567,378
- Scholarships	222,337,189	290,753,957
- Contracted services	1,896,008	1,136,944
- Communication and travel	2,698,686	1,973,951
Total funds applied	273,730,656	334,432,230
Surplus/(deficit) for the year	124,406,104	(17,803,314)
Amounts held on behalf of donors comprise:		
Cash and cash equivalents	368,376,047	176,660,953
Fixed deposits	41,292,913	85,354,408
Accounts receivable	10,962,780	29,357,554
Total amounts held on behalf of donors	420,631,740	291,372,915
Opening amounts due to donors	276,023,246	257,600,319
Surplus/(deficit) for the year	124,406,104	(17,803,314)
Transfers from other funds	877,904	36,343,272
Transfers to other funds	(6,092,325)	(117,031)
Closing amounts due to donors	395,214,929	276,023,246
Liabilities	25,416,811	15,349,669
Closing amounts due to donors and liabilities	420,631,740	291,372,915

11 SALARIES AND BENEFITS

Salaries and benefits for the years ended December 31 comprise:

	Baht	
	2004	2003 Restated
Wages and salaries	604,736,551	582,262,805
Social security costs	4,861,473	3,883,843
Pension costs	31,946,887	30,279,878
Income Tax	45,412,005	52,451,059
Other costs	14,276,385	9,405,520
Total	701,233,301	678,283,105

12 AIT CENTER IN VIETNAM (AITCV)

The Institute has a branch operation in Hanoi, Vietnam. The purpose of the Vietnamese operation is to:

- Educate and train various forms of scientists, technocrats and business managers; and
- Organization research and development activities as well as the transfer of technologies as required by the economic development of the country.

The results of the operation are summarized below and have been included in the results of the Restricted Fund ñ General (Fund 21)

	Baht	
	2004	2003 Restated
Revenues	57,960,228	50,002,943
Expenditures	35,133,493	36,652,821
Excess of revenue over expenditure	22,826,735	13,350,122

Financial Statements and Auditors' Report

Financial statements for the years ended December 31, 2004 and 2003 have been produced and approved by the management of the branch.

13 AIT INSURED SAVINGS FUND

Until January 31, 2004 the Institute and its staff jointly operated an Insured Savings Fund post-retirement defined contribution scheme. The Institute contributed at a fixed rate of 10% of gross salary and the employee at 5% of gross salary. The Institute retained, and met the cost of, an independent fund manager to manage the fund. Staff were only able to obtain a refund of contributions from the Fund in accordance with the scheme rules.

With effect from February 1, 2004, a Provident Fund has replaced the Insured Saving Fund. The Institute contributes to the fund as the rate of 10% of salary earned, and the employees are allowed to contribute 3% to 10% of gross salary. The fund is managed by TISCO Assets Management Co., Ltd. The assets of the Insured Saving Fund were substantially transferred to the new Provident Fund.

14 CHANGE IN ACCOUNTING POLICY

In 2003, the Institute changed its accounting policy in respect of the depreciation of fixed assets. Previously, the Institute did not depreciate fixed assets. Following the change in accounting policy all fixed assets, except land, campus development and construction in progress, are depreciated in line with the estimated useful lives of the assets as set out in Note 4.

15 COMMITMENTS AND CONTINGENT LIABILITIES

As at December 31, 2004, the Institute has commitments and contingent liabilities as follows:

- Bank guarantees amounting to approximately Baht 21.82 million (as at December 31, 2003: Baht 25.27 million) were issued by a bank on behalf of the Institute in respect of certain performance bonds as required in the normal course of operations of the Institute.

16 POST BALANCE SHEET EVENT

As disclosed in Note 8 the Institute entered into a new Land Lease Agreement (Lease) in respect of the site that the Institute occupies. The thirty-year Lease was signed on June 10, 2005. The Lease was obtained at a significant discount to the market rental rates. However, the consideration for this discount is that should the lease not be renewed and the land revert to Thammasat University (University), or its successor as the landlord, all buildings and infrastructure on the Institute site will become the property of the University or its successor as landlord.

Furthermore, the Lease is contingent on a Memorandum of Understanding (MOU) between the University and the Institute. The MOU provides that the Institute will make available and fund a total of sixty scholarships over the thirty-year life of the Lease. Scholarships made in accordance with the MOU will cover tuition fees for qualified lecturers from the University, selected by the University, to pursue a Doctoral degree at the Institute. At present, the Institute can only estimate that the cost of this commitment, at today's values, will be approximately Baht 56.2 million

17 RECLASSIFICATION OF ACCOUNTS

Certain items in the financial statements for the year ended December 31, 2003 have been reclassified to conform with the presentation in the financial statements for the year ended December 31, 2004.

18 DISCLOSURE OF FINANCIAL INSTRUMENTS

The Institute does not speculate or engage in the trading of any derivative financial instruments.

Accounting policies

Details of significant accounting policies and methods adopted, including the criteria for recognition, the basis of measurement and the basis on which revenues and expenses are recognized, in respect of each class of financial assets and financial liabilities are disclosed in Note 3 to the financial statements.

Credit risk

Credit risk is the risk arising from failure of customer to meet their contractual obligations, which may eventually cause financial losses.

The Institute is exposed to credit risk for the supply of educational services to enrolled primarily self-funding students. The Institute does not perform a credit evaluation on enrolling or enrolled students, nor does it seek any collateral in respect of fees for future years from enrolled students. The Institute does not operate a global credit risk management policy. Rather, individual perceived credit risks are identified and policies put in place to manage those risks.

Interest rate risk

Interest rate risk is the uncertainty in value of assets, financial debts or net interest income as a result of the fluctuations of the market interest rate.

The deposit rates of all financial assets are based on market rates. The Institute does not have an interest rate risk management policy.

Foreign currency risk

Currency risk occurs when the value of financial instruments changes in accordance with the fluctuations of the exchange rate, which may affect gain/loss on foreign exchange currency of the present and future years.

The Institute insures foreign currency risk when receives payment for tuition and fees and makes payment of purchases of equipment in currencies other than Thai Baht. The Institute does not have a foreign currency risk management policy.

Estimated fair value of financial instruments.

Fair values have been estimated by the Institute using available market information and appropriate valuation methodologies. The methods and assumptions in estimating fair value of financial instruments are as follows:

The fair value of cash on hand and cash at banks, accounts receivable and accounts payable are their carrying value presented in balance sheet.

ABBREVIATIONS

ACE	ASEAN Centre for Energy, Indonesia
ADBI	Asian Development Bank Institute
AORD	Asian Office of Aerospace Research and Development
AOTS	The Association for Overseas Technical Scholarship
APAARI	Asia Pacific Association of Agricultural Research Institutions
BRAC	Bangladesh Rural Advancement Committee
CDM, Thailand	Clean Development Mechanism
CIRAD	Center de Cooperation Internationale en Recherche Agronomique pour le Development, France
CRSP	Collaborative Research Support Program
DCC	Dhaka City Corporation, Bangladesh
DFG, Germany	Deutsche Forschungsgemeinschaft
DFID	Department for International Development, U.K.
DTEC	Department of Technical and Economic Cooperation, Thailand
EBARA	Ebara Corporation, Japan
ESCP-EAP	ESCP-EAP European School of Management, France
ESI Fund	Electric Supply Industry Fund
GAIA	Global Action in the Interest of Animals
GEA	Global Environmental Action
GTZ	German Agency for Technical Cooperation
HRM	Human Resources Management
HRID	Human Resource and Institutional Development, the Netherlands
HUT	Helsinki University of Technology, Finland
ICH	International Centre for Hydropower, Norway
IFAD	International Fund for Agricultural Development
INPG	Institut National Polytechnique de Grenoble
INPT	Institut National Polytechnique de Toulouse
INRIA	The French National Institute for Research in Computer Science and Control
INSA	Institut National des Sciences Appliquees
INT	Institut National des Telecommunications
ITED	IT Education, JICA
JAXA	Japan Aerospace Exploration Agency, Japan
JICA	Japan International Cooperation Agency
KOJADI	Koperasi Jayadiri Malaysia Berhad
LGED	Local Government Engineering Department, Bangladesh
MDI, India	Management Development Institute
MOFA	Ministry of Foreign Affairs, France
NEPO	National Energy Policy Office, Thailand
NEERP, Sri Lanka	North East Emergency Reconstruction Program
OSIDEV	Open Society Institute Development Foundation, U.S.A.
PDA	Pond Dynamics/Aquaculture
PKSF	Palli Karma-Sahayak Foundation, Bangladesh
Riso	Riso National Laboratory, Denmark
SDC	Swiss Development Coordination
SEMP	Secondary Education Modernization Project, Sri Lanka
SESIP	Secondary Education Sector Improvement Project, Bangladesh
Sida	Swedish International Development Cooperation Agency
SPCDP	Second Perennial Crops Development Project, Sri Lanka
UN-ESCAP	United Nations Economic and Social Commission for Asia and the Pacific
UNDP	United Nations Development Program
UNEP	United Nations Environment Program
UNFPA	United Nations Population Fund
UNESCO	United Nations Educational, Scientific and Cultural Organization
USAID	US Agency for International Development